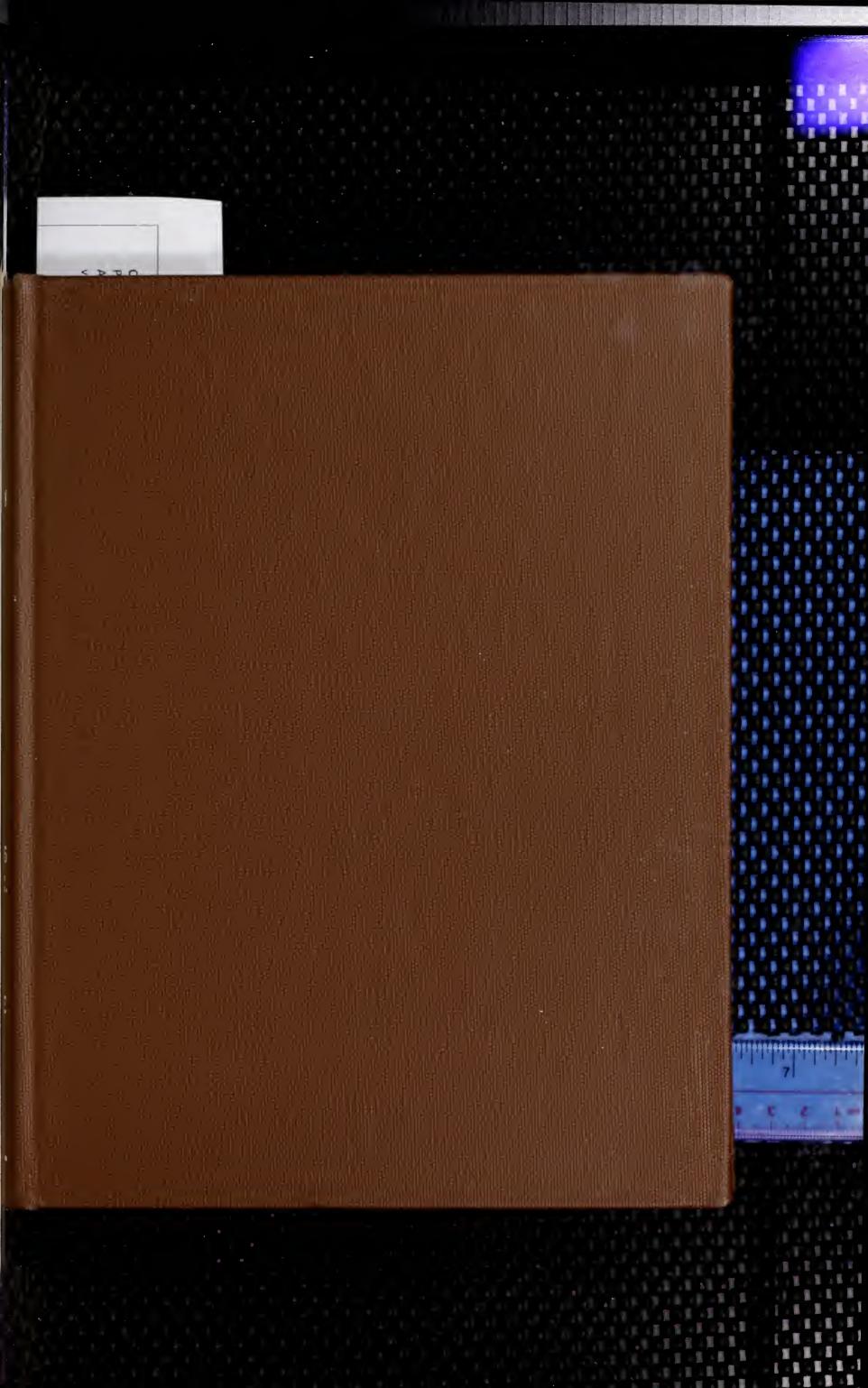
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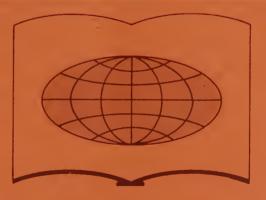


Pesticides Documentation Bulletin

U. S. C.E. T. O. A. C. T. T. E. NATION L. A. T. T. L. L. L. A. Y.

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Volume 4 November 8, 1968 Number 23



U.S. DEPARTMENT OF AGRICULTURE

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types

Crops or Weeds tested with phytotoxicity ratings Associated documentation

Note: Items subject to proprietory restriction will be suppressed when appropriate.

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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^{*}This issue does not contain citations under this category.



ENTOMOLOGY

20942-68

CONTROL OF CATERPILLARS ON LATE CABBAGE IN CENTRAL ONTARIO AND WESTERN QUEBEC, 1958-1959.

L M Cass

Entomol Soc Ontario Proc 91:49-52 1960 420 ON8

Cabbage, Chemical control (insects), Insecticides, Pieris rapae, Plutella maculipennis, Research, Trichoplusia ni.

20943-68

ANALYSIS OF SPRAY DROPLET DISTRIBU-TIONS FROM AGRICULTURAL AIRCRAFT.

H H Countts W E Yates

Amer Soc Agr Eng Trans Asae 11(1):25-27 Jan 1968 290.9 AM32T

Aerial spraying, Pesticides, Research, Spraying.

20944-68

ORIENTAL THE FRUIT MOTH GRAPHOLITHA MOLESTA (BUSCK) (LEPIDOPTERA: OLETHREUTIDAE) IN ON-

G G Dustan

Entomol Soc Ontario Proc 91:215-227 REF 1960 420 ON8

Grapholitha molesta, Insect control, Insect ecology, Insect morphology, Olethreutidae, Peaches, Quinces.

20945-68

CLUSTER FLIES IN THE HOME.

W L Gojmerac

Wisconsin Univ Coll Agr Ext Serv Spec Circ 143:4 0000 275.29 W750S

Feeding, Hibernation, Insect control, Insect identification, Insecticides, Morphology, Pollenia rudis, Spraying.

SURVIVAL OF CERCOSPORA KIKUCHII ON SOYBEAN STEMS IN THE FIELD.

J P Jones

Plant Dis Rep 52(12):931-934

Dec 1968 1.9 P69P

Cercospora, Harvesting, Hibernation, Research, Sampling (statistics), Soils, Soybeans.

20947-68

THE BIOLOGICAL METHOD AND INTEGRATED CONTROL OF HOUSE AND STA-BLE FLIES IN CALIFORNIA.

E F Legner G S Olton

Calif Agr 22(6):2-4

Jun 1968 100 C12CAG

Biological control (insects), Insects, Integrated control (insects), Musca domestica, Research, Stomoxys calcitrans.

A PRELIMINARY REPORT...ZYTRON AS A LARVICIDE FOR FLY CONTROL.

E C Loomis E L Bramhall L L Dunning

Calif Agr 22(6):6-7

Jun 1968 100 C12CAG

Chemicals, Diptera, Insect control, Larvicides, Research, Zytron.

20949-68

THE BEHAVIOUR OF POLLEN FORAGERS WHICH LOSE THEIR LOAD.

J L McDonald

J Apicult Res 7(1):45-46

1968 424.8 J82

onomy, Tabanidae.

Apis mellifera, Insect behavior, Pollination, Research, Traps.

20950-68

THE TABANIDAE (DIPTERA) OF ONTARIO.

L L Pechuman H J Teskey D M Davies Entomol Soc Ontario Proc 91:77-121 MAP REF

1960 420 ON8 Insect identification, Insect morphology, Insect tax20951-68

THYMELICUS LINEOLA (OCHS.) (LEPIDOPTERA: HESPERIIDAE) A PEST OF HAY AND PASTURE GRASSES IN SOUTHERN ONTARIO. D H Pengelly

Entomol Soc Ontario Proc 91:189-197 REF 1960 420 ON8

Grasses, Hay, Hesperiidae, Insect anatomy, Insect morphology, Insect pests.

AN INFESTATION OF COMSTOCK MEA-LYBUG, PSEUDOCOCCUS COMSTOCKI (KUW.) (HOMOPTERA: COCCOIDEA) ON PEACH IN ONTARIO.

J H H Phillips

Entomol Soc Ontario Proc 91:268-270

1960 420 ON8

Ceratomia catalpae, Insect eggs, Insect outbreaks, Peaches, Pseudococcus comstocki.

INCIDENCE AND CONTROL OF MOSQUITOS IN SOUTH MORAVIA.

M Privora D Novak

World Health Organ WHO/0VECT Contr 166.65:7

0000 423.92 W89

Aedes, Chemical control (insects), Ecology, Habitats, Larvae.

STUDIES ON THE EFFICIENCY OF COLLECT-ING AND COUNTING ANOPHELES GAMBIAE IN VERANDAH-TRAP HUTS.

A Smith S Ecozed

Arusha Trop Pesticides Res Inst Misc Rep 563:5 P. Jun 1966 423.92 G7922

Anopheles gambiae, DDT, Experimental insects, Houses, Insect behavior, Insect collecting equipment, Insect traps, Mortality, Research, Tables (data).

SYSTEMATICS

20955-68

NYMPHS THE MAYFLY (ORDER:EPHEMEROPTERA) OF RAWALPIN-DI DISTRICT.IK/UUI ALI, S R.

Pakistan J Sci 19(3):73-86 MAP REF May 1967 475 P172

Ephemeroptera, Insect taxonomy, Zoogeography.

NEW EXOTIC CRANE-FLIES (TIPULIDAE: DIPTERA).

C P Alexander

Entomol News (philadelphia) 78(7):189

Jul 1967 421 EN88

Insect behavior, Insect identification, Insect taxonomy, Research, Tipulidae.

PRESENT STATUS OF THE SAWFLY FAMILY DIPRIONIDAE (HYMENOPTERA) IN TARIO.

C E Atwood

Entomol Soc Ontario Proc 91:205-215 REF 1960 420 ON8

Chemical control (insects), Diprionidae, Insect taxonomy, Parasitism.

REVISION OF THE GENUS CRYPTOCELLUS WESTWOOD 1874 (ARACHNIDA: RICINULEI). (GE)

L Beck H Schubart

Senckenb Biol 49(1):67-78 REF 29 Feb 1968 410.9 SE5

Arachnida, Insect taxonomy, Spiders.

FAMILY TEPHRITIDAE (TRYPETIDAE, TRU-PANEIDAE). 57.

R H Foote

Cat Diptera Amer S U S 157,91P

10 Jul 1967 O0L531.0C3

Diptera, Insect pests, Insect taxonomy, Plant injuries, Tephritidae.

HISTORY OF THE ENTOMOLOGY SECTION OF THE SENCKENBERG MUSEUM. (GE)

E Franz

Senckenb Biol 48(SUPPL B):55-72 REF

22 Nov 1967 410.9 SE5

Entomologists, Entomology, History.

A complete history of the Senckenberg Museum's Entomology section is given, from 1822 thru today. A chronologic list of personnel and their work is supplied.

20961-68

HABITAT AND ALTITUDE DISTRIBUTION OF CARABIDAE (COLEOPTERA IN ARGYLL, SCOTLAND.

P J M Greenslade

Roy Entomol Soc London Trans 120(PT.2):39-54

12 Jul 1968 420 L84

Altitude, Carabidae, Ecology, Zoogeography.

20962-68

A KEY TO THE GRASSHOPPER SPECIES (ORTHOPTERA: A CRIDOIDEA) RECORDED FROM GHANA.

N D Jago

Roy Entomol Soc London Trans 119(PT.8):235-266

27 Oct 1967 420 L84

Grasshoppers, Insect identification, Orthoptera, Taxonomy.

20963-68

A REVIEW OF THE GENUS OLIGOAESCHNA SELYS IN SOUTHEAST ASIA.

M A Lieftinck

Tijdschr Entomol 111(5):137-184 REF

10 Oct 1968 421 T21

Aeshnidae, Catalogs, Insect taxonomy, Odonata, Zoogeography.

20964-68

FLEAS (SIPHONAPTERA) NEW TO NORWAY. R Mehl

Norsk Entomol Tidsskr 14(1):60-62

1967 421 N812

Insect taxonomy, Siphonaptera, Zoogeography.

20965-68

FIBRE GROUPS IN THE AUDITORY NERVE OF THE LOCUST.

M J Murray

Nature 218(5136):95-96

06 Apr 1968 472 N21

Electrodes, Equipment, Locusta migratoria, Nerves, Physiology, Research, Velocity.

SELECTIVE BREEDING OF HONEYBEES FOR ALFALFA POLLEN: FIFTH GENERATION AND BACKCROSSES.

W P Nye O Mackensen

J Apicult Res 7(1):21-27

1968 424.8 J82

Alfalfa, Apis mellifera, Breeding, Heredity, Pollination, Reproduction, Research.

20967-68

NUTES ON THE CAPTURE OF BUCHANANIELLA CONTINUA AND ELATOPHILUS CRASSICORNIS REUTER IN NORTHERN ITALY AND FURTHER DESCRIP-TION OF THESE SPECIES (HETEROPTERA, ANTHOCORIDAE). (FR

Fragmenta Entomol 5(3):299-311

15 Feb 1968 421 F84

Anthocoridae, Insect ecology, Insect taxonomy, Insect traps.

THE MACRONYSSIDAE AND LAELAPIDAE (ACARINA: MESOSTIGMATA) PARASITIC ON

ENTOMOLOGY

20969-68

F J Radovsky

Colif Univ Publ Entomol 46:288 P

01 Mar 1967 500 C1250E

Bats, Chaetotaxy, Insect biology, Insect identifica-tion, Insect morphology, Insect taxonomy, Laelapidae, Macronyssidae, Mites, Parasitic insects, Zoogeography

20969-68

A REVIEW OF THE PRAYING MANTISES OF GHANA DICTYOPTERA MANTODEA).

D R Ragge R Roy

Inst Fondamentol Afr Noire Bull Ser A Sci Notur (SER A)29(2):586-644 MAP REF

Apr 1967 515 D14

Beneficial insects, Insect taxonomy, Mantidae, Zoogeography.

20970-68

THE MOSQUITOES OF ONTARIO (DIPTERA: CULICIDAE) WITH KEYS TO THE SPECIES AND NOTES ON DISTRIBUTION.

C C Steward J W McWade

Entomol Soc Ontario Proc 91:121-188

1960 420 ON8

Culicidae, Insect anatomy, Insect taxonomy, Research.

20971-68

THE NORWEGIAN SPECIES OF THE GENUS MYLLAENA ER. (COL., STAPHYLINIDAE). (DA)

A Strand

Norsk Entomol Tidsskr 14(10):56-59

1967 421 N812

Catalogs, Insect taxonomy, Staphylinidae.

DATA ON THE THYSANOPTERA FAUNA OF THE RHEIN-MAIN-REGION (INS., TIIYSANOP-TERA), (GE)

R zur Strassem

Senckenb Biol 48(2):83-116 MAP

21 Apr 1967 410.9 SE5

Catalogs, Insect taxonomy, Thysanoptera, Zoogeography.

20973-68

CONTRIBUTION TO THE KNOWLEDGE OF THE GERMAN SPIDER FAUNA. V. (ARACH.,

ARANEAE). (GE) H Wiehle

Senckenb Biol 48(1):1-36 REF

28 Feb 1967 410.9 SE5

Arachnida, Catalogs, Insect taxonomy, Spiders, Zoogeography.

20974-68

CONTRIBUTION TO THE KNOWLEDGE OF THE NEOTROPICAL COLLEMBOLA FAUNA. I. ISOTOMIDAE. (PART 2). (GE)

C Winter

Senckenb Biol 48(1):37-69

28 Feb 1967 410.9 SE5

Catalogs, Collembola, Insect taxonomy, Zoogeog-

PHYSIOLOGY AND BIOCHEMISTRY

THE EFFECT OF QUEEN LOSS ON COLONIES OF APIS MELLIFERA CAPENSIS.

R H Anderson

S Afr J Agr Sci 11(2):383-387

Jun 1968 24 SU3

Agriculture, Aphis, Bee behavior, Demography, Queen bees.

20976-68

SOME EFFECTS OF MICROBIAL PATHOGENS ON INSECTS. T A Angus

Entomol Soc Ontorio Proc 91:8-13

1960 420 ON8

Entomology, Fungi, Insect diseases, Parasitism, Protozoa.

20977-68

EFFECT OF DIFFERENT COLOURED LIGHTS THE DEVELOPMENT OF BEMISIA TARACI GENN.

J.S. Balan

Plont Protect Bull 19(1):30-33

1967 421 P69

Bemisia tabaci, Color, Cotton, Insect pests, Insect physiology, Lighting.

ON THE ACTIVITY OF JUVENILE HOR-MONES: ELECTRO-PHYSIOLOGICAL MEDI-UM AT THE CELL MEMBRANE OF THE SALI-VARY GLAND OF GALLERIA MELLONELLA.

G Baumann

J Insect Physiol 14(10):1459-1476

Oct 1968 421 J825

Cells, Electricity, Galleria mellonella, Hormones, Insect physiology, Salivary glands (insects).

FROM THE TROPICAL RAIN FOREST OF THE AMAZON II. (ge)

L Beck

Natur Mus 98(2):71-80 RFF

Feb 1968 509 F856

Arachnida, Insect ecology, Pedipalpida.

The author continues his discussion of tropical insects. Whip scorpions (Pedipalpi), whip tails, tiny relatives of the whip scorpions, and hooded spiders, rare Arachnids, are described and discussed.

FROM THE TROPICAL RAIN FOREST OF THE AMAZON I. (GE)

Natur Mus 98(1):24-32

01 Jan 1968 509 F856

Cerambycidae, Chelonethida, Cicadidae. Part II in vol. 98(2):71-81, Feb. 1968

The author studies the biology of tropical soil and animal fuana of the central Amazon rain forest. Tropical cicada larvae, mound building insects and long horned beetles (Cerambycidae) with their parasites and pseudoscorpions are discussed.

20981-68

STIMULI PROVIDED BY COURTSHIP OF MALE DROSOPHILA MELANOGASTER.

H C Bennet-clark A W Ewing Noture 215(5101):669-671 REF

05 Aug 1967 472 N21

Drosophila melanogaster, Insect behavior. Reproduction, Research, Sex behavior, Vibration.

20982-68

ROLE OF VEGETATION IN SEXUAL MATU-RATION OF THE DESERT LOCUST (SCHISTOCERCA GREGARIA FORSK.).

D R Bhatia P J S Ahluwalia

Plant Protect Bull 19(1):36-37

1967 421 P69

Insect physiology, Schistocerca gregaria, Sex, Vegetation.

HAEMOCYTES AND THE MEASUREMENT OF POTASSIUM IN INSECTS BLOOD,

J Brady

Noture 215(5096):96

01 Jul 1967 472 N21

Biochemistry, Blood cells, Blood chemistry, Insect physiology, Periplaneta americana, Potassium.

CO-ORDINATED NEUROMUSCULAR ACTIVI-TY IN INSECT SPIRACLES AT SUB-ZERO TEMPERATURES.

B N Burkett H A Schneiderman

Noture 217(5123):95-96 REF

06 Jan 1968 472 N21

Experimental insects, Humidity, Insect ecology, Insect physiology, Muscles, Neurology, Research, Spiracles, Temperature.

20985-68

FACTORS AFFECTING MALE PROBING ACTIVITY OF THE RED BOLLWORM DIPAROPSIS CASTANEA (HMPS.) IN RELATION TO STERILITY INDUCED BY TRIS(I-AZIRIDIVENTED BY TRIS) NYL) PHOSPHINE OXIDE (TEPA).

D G Campion I Butram

Ann Appl Biol 60(2):191-198

Oct 1967 442.8 AN72

Breeding, Chemical control (insects), Chemosterilants, Diparopsis castanea, Reproduction, Sex attractants, Sterility, Tepa.

ELECTROPHORETIC PATTERNS OF LARVAL HAEMOLYMPH-PROTEINS IN AUTOGENOUS AND ANAUTOGENOUS FORMS OF CULEX PIPIENS L.

P S Chen

Nature 215(5093):316

15 Jul 1967 472 N21

Biochemistry, Culex pipiens molestus, Culex pipiens quinquefasciatus, Electrophoresis, Hemolymph, Insect eggs, Proteins.

20987-68

X-RADIATION OF ONCOMELANIA MOSANA, SNAIL HOST OF SCHISTOSOMA JAPONICUM. EFFECT ON REPRODUCTIVITY AND MORTALITY.

L W Chi F Boeller

Amer J Trop Med Hyg 17(6):900-903 REF

Nov 1968 448.8 AM326

Insect physiology, Mortality, Radiation, Reproduction, Snails, Sterility, X-rays.

20988-68

SYNTHESIS OF RIBONUCLEIC ACID AND HISTONE CHANGE DURING SPER-MATOGENESIS IN THE GRASSHOPPER CHORTOPHAGA VIRIDIFASCIATA.

C J Claypool D P Bloch

Noture 215(5104):966-967

26 Aug 1967 472 N21 Biochemistry, Biosynthesis, Chortophaga viridifasciata, Deoxyribonucleic acid, Meiosis, Proteins, Ribonucleic acid.

20989-68

ACRYLAMIDE GEL ELECTROPHORESIS OF HOUSEFLY ESTERASES.

W J Collins A J Forgash

J Insect Physiol 14(10):1515-1523 REF

Oct 1968 421 J825 Acrylamide, Electrophoresis, Esterases, Gels, Insect physiology, Musca domestica.

THE FINE STRUCTURE AND MECHANISM OF BREAKDOWN OF LARVAL INTERSEGMENTAL MUSCLES IN THE BLOWFLY CAL-LIPHORA ERYTHROCEPHALA.

A C Crossley

J Insect Physiol 14(10):1389-1407 REF

Oct 1968 421 J825

Calliphora vicina, Insect anatomy, Insect physiology, Larvae, Muscles.

20991-68

COLOUR AFFECTS THE LANDING BLOODSUCKING BLACK FLIES (DIPTERA: SIMULIIDAE) ON THEIR HOSTS.

D M Davies

Entomol Soc Ontorio Proc 91:267-268

1960 420 ON8

Attractants, Color, Insect behavior, Insect flight, Pigments, Simulium venustum.

20992-68

FREE AND BOUND AMINO ACIDS OF SPRUCE BUDWORM LARVAE FEEDING ON BALSAM FIR AND RED AND WHITE SPRUCE.

D J Durzan S M Lopushanski

J Insect Physiol 14(10):1485-1497

Oct 1968 421 J825

Abies balsamea, Amino acids, Choristoneura fumiferana, Feeding, Insect physiology, Larvae, Picea glauca, Picea rubens.

20993-68

THE ULTRASTRUCTURE OF A RICKETTSIA PATHOGENIC TO A SATURNID MOTH.
P F Entwistle J S Robertson B E Juniper

J Gen Microbiol 54(PT 1):97-104 REF Nov 1968 448.3 J823

Electron microscopy, Physiology, Rickettsial diseases, Saturniidae.

20994-68

MECHANICAL PROPERTIES OF THE FLIGHT MUSCLE OF THE BEE, I RESTING ELASTICITY AND ITS ULTRASTRUCTURAL INTERPRETATION.

N Garamvolgyi J Belagyi

Acta Biochim Biophys 3(2):195-204 REF 1968 Q0P501.0A2

Bees, Insect anatomy, Insect flight, Insect physiology, Measurement, Mechanization, Muscles, Wings (insects).

20995-68

INSECT POPULATION CONTROL BY THE USE OF SEX PHERMONES TO INHIBIT ORIENTATION BETWEEN THE SEXES.

L K Gaston H H Shorey C H Saario

Nature 213(5081):1155

18 Mar 1967 472 N21

Biological control (insects), Economics, Experimental insects, Pheromones, Population, Research, Sex, Trichoplusia ni.

20996-68

THE APPLICATION OF PH DETERMINATIONS TO INSECT PATHOLOGY.

A M Heimpel

Entomol Soc Ontario Proc 91:52-76 REF 1960 420 ON8

Biochemistry, Body fluids, Hydrogen-ion concentration, Insect diseases, Research.

20997-68

EFFECT OF DIETARY BIOTIN ON FATTY ACID COMPOSITION OF THE SILKWORM, BOMBYX MORI L.

Y Horie S Nakasone

J Insect Physiol 14(10):1381-1387 REF

Oct 1968 421 J825

Biological assay, Biotin, Bombyx mori, Diet, Fatty acids, Insect nutrition.

20998-68

INSECT DISEASES RESULTING FROM MALNUTRITION.

H L House

Entomol Soc Ontario Proc 91:13-22 REF 1960 420 ON8

Amino acids, Carbohydrates, Deficiency diseases, Insect diseases, Insect metabolism, Insect nutrition, Lipids, Proteins, Starvation, Vitamins.

20999-68

UBIQUINONES OF THE QUEENS OF THE ORIENTAL HORNET, VESPA ORIENTALIS.

R Ikan R Gottlieb E D Bergmann J Ishay J Insect Physiol 14(9):1215-1220 REF

Sep 1968 421 J825

Chromatography, Extracts, Insect physiology, Lipids, Queen bees, Thorax, Vespa orientalis.

21000 49

THE CAMPAIGN AGAINST THE CITRUS FRUIT FLY IN 1966-67. (FR)

Tunis Inst Rebois Doc Tech (27):12P

Apr 1967 24 T839

Biochemistry, Ceratitis capitata, Chemical control (insects), Insect control, Insect pests, Pesticides.

21001-68

INSECT ANSWERS; THE ALFALFA SEED CHALCID.

C Johansen A H Retan

Wash State Univ Ext Serv E M 2923:2P.

May 1968 275.29 W270M1

Alfalfa, Bruchophagus roddi, Insect behavior, Insect control, Insect morphology, Insect pests, Metamorphosis, Seedlings, Zoogeography.

21002-68

PHENOTYPIC RESTORATION OF FERTILITY IN A MALE-STERILE MUTANT BY TREATMENT WITH GIBBERELLIC ACID.

J N R Kasembe

Nature 215(5101):668

472 N21

Barley, Gibberellic acid, Greenhouses, Mutations, Seed germination, Sterility, Tobacco.

21003-68

TOXICITY OF TOBACCO SMOKE TO THE SPOTTED ALFALFA APHID THERIOAPHIS MACULATA (BUCKTON).

H W Kircher F V Lieberman

Nature 215(5096):97-98

01 Jul 1967 472 N21

Alfalfa, Diet, Greenhouses, Insect cultures, Nicotine, Smoke, Therioaphis maculata, Tobacco, Toxicology.

21004-68

DISTRIBUTION AND ABUNDANCE OF HYLOTRUPES BAJALUS L. (COL., CERAMBYCIDAE) AND ANOBIUM PUNCTATUM DE GEER (COL., ANOBIIDAE) ALONG THE SOGNEFJORD IN WEST NORWAY.

P Knudsen

Norsk Entomol Tidsskr 14(1):44-55 MAP REF 1967 421 N812

Anobiidae, Cerambycidae, Climate, Demography, Insect ecology.

21005-68

CALCAREOUS SEPTA FORMED IN SMALL SHELLS BY LARVAE OF SMALL-KILLING FLIES (SCIOMYZIDAE).

L V Knutson C O Berg L J Fowards A D Bratt B A Foote

Science 156(3774):522-523

28 Apr 1967 470 SCI2

Beneficial insects, Insect physiology, Sciomyzidae, Snails.

Abstract

21006-68

MITOSIS AND THE CELL CYCLE IN THE METAMORPHIC MOULT OF THE MILKWEED BUG, ONCOPELTUS FASCIATUS. A RADIOAUTOGRAPHIC STUDY.

P A Lawrence

J Cell Sci 3(3):391-404 REF

Sep 1968 QH301.J6

Autoradiography, Cells, Deoxyribonucleic acid, Injections, Metamorphosis, Mitosis, Oncopeltus fasciatus, Research, Thymidine, Time.

21007-68

THE ULTRASTRUCTURE OF THE PERINEU-RIUM IN TWO INSECT SPECIES, CARAUSIUS MOROSUS AND PERIPLANETA AMERICANA. S H P Maddrell J E Treherne

J Cell Sci 2(1):119-127 REF

Mar 1967 QH301.J6

Anatomy, Carausius morosus, Periplaneta americana, Physiology, Research, Tissues.

21008-68

CHANGES IN HAEMOLYMPH LIPOPROTEINS DURING LOCUST FLIGHT.

R J Mayer D J Candy

Nature 215(5104):987

472 N21

Fat body, Fatty acids, Glycerides, Haemolymph, Insect flight, Lipoproteins, Locusta migratoria, Radiochemistry.

21009-68

A REVIEW OF THE LITERATURE ON THE SPRUCE BUDWORM CHORISTONEURA FU-MIFERANA (CLEMENS). AQL561.0T80M3.

M E McKnight

131 P. REF COLORADO, U.S. DEPARTMENT OF AGRICULTURE

Jul 1965

Biochemistry, Chemical control (insects), Choristoneura fumiferana, Insect biology, Insect ecology, Insect pests, Insect taxonomy, Insecticides, Literature, Parasitism, Population, Reviews, Silviculture.

21010-68

CANNIBALISM OF THE PUPAL STAGE BY ADULT FLOUR BEETLES: AN EXPERIMENT AND STOCHASTIC MODEL.

D B Mertz R B Davies

Biometrics 24(2):247-275 REF

Jun 1968 442.8 B5224

Experimental insects, Insect behavior, Population, Predaceous insects, Pupae, Research, Statistical analysis, Tribolium castaneum.

21011-6

INCORPORATION OF LYSINE-6-CI4 INTO THE PROTEIN OF THE ADULT BOLL WEEVIL, ANTHONOMUS GRANDIS.

N Mitlin G Wiygul G J Lusk

J Insect Physiol 14(9):1277-1283 REF

Sep 1968 421 J825

Amino acids, Anthonomus grandis, Carbon isotopes, Injections, Insect physiology, Lipoproteins, Lysine, Metabolism, Proteins, Time.

21012-6

VOLATILITY OF TRAIL MARKING SUBSTANCE OF THE TOWN ANT.

J C Moser R M Silverstein

Nature 215(5097):206-207

08 Jul 1967 472 N21

Atta texana, Insect physiology, Methylene chloride, Volatile substances, Water.

21013-68

INFECTIVITY OF TRYPANOSOMA RHODE-SIENSE TO TSETSE FLIES FED THROUGH ANIMAL MEMBRANES.

A S Mshelbwala

Nature 215(5099):441

22 Jul 1967 472 N21

Animal vectors, Animals, Feeding, Glossina pallidipes, Insect diseases, Morphology, Research, Trypanosoma brucei, Trypanosoma rhodesiense.

21014-68

THE INFLUENCE OF TEMPERATURE AND RELATIVE HUMIDITY ON THE WEIGHT LOSS AND SURVIVAL OF THE HARVESTER TERMITES, HODOTERMES MOSSAMBICUS (HAGEN) AND TRINERVITERMES TRINERVOIDES (SJOSTEDT). (DU)

J J C Nel S Afr J Agr Sci 11(2):389-401 REF

Jun 1968 24 SU3

Humidity, Insect nutrition, Longevity, Temperature, Termites.

21015-68

GROWTH AND PARTIAL METAMORPHOSIS OF IMAGINAL DISKS OF THE GREATER WAX MOTH, GALLERIA MELLONELLA, IN VITRO.

H Oberlander L Fulco Nature 216(5120):1140-1141

16 Dec 1967 472 N21

Biochemistry, Culture media, Ecdysone, Galleria mellonella, Larvae, Metamorphosis, Physiology, Research.

21016-68

THE FINE STRUCTURE AND HISTOCHEMISTRY OF THE FAT BODY IN THE LOCUST SCHISTOCERCA GREGARIA.

T R Odhiambo

J Cell Sci 2(2):235-242 REF

Jun 1967 QH301.J6

Anatomy, Chemistry, Cytoplasm, Electron microscopy, Glycogen, Histology, Reproduction, Research, Schistocerca gregaria.

21017-6

MORPHOLOGY OF THE MALE REPRODUCTIVE SYSTEM AND SPERMATOPHORE OF THE RED BOLLWORM, DIPAROPSIS CASTANEA (HMPS.) AND THE POSSIBLE EF-

ENTOMOLOGY

21018-68

FECT OF THE CHEMOSTERILANT TEPA ON THE GROSS STRUCTURE.

I Outram D G Campion
Ann Appl Biol 60(3):439-444 REF

Dec 1967 442.8 AN72 Chemosterilants, Diparopsis castanea, Heliothis zea, Insect morphology, Noctuidae, Reproductive organs, Spermatophores, Tepa.

21018-68

THE EFFECT OF AQUEOUS SOLUTIONS OF SOME 1:1 ELECTROLYTES ON THE ELECTRICAL RESPONSE OF THE TYPE 1 ('SALT') CHEMORECEPTOR CELL IN THE LABELLA OF PHORMIA.

CJC Rees

J Insect Physiol 14(9):1331-1364 REF

Sep 1968 421 J825

Biochemistry, Cells, Chemoreceptors, Electrolytes, Insect physiology, Ions, Phormia regina, Sodium chloride, Tables (data), Water.

21019-68

THE EFFECT OF ELECTROLYTES OF THE GENERAL FORMULA XCL2 ON THE RESPONSE OF THE TYPE I LABELLAR CHEMORECEPTOR OF THE BLOWFLY, PHORMIA.

CJC Rees N Hori

J Insect Physiol 14(10):1499-1513 REF

Oct 1968 421 J825

Biochemistry, Calliphoridae, Chemoreceptors, Electrolytes, Insect physiology, Phormia regina, Salts.

21020-68

TRANSMISSION OF RECEPTOR POTENTIAL IN DIPTERAN CHEMORECEPTORS.

J C Rees

Nature 215(5098):301-302

15 Jul 1967 472 N2I

Chemoreceptors, Insect physiology, Microscopy, Nervous system, Phormia, Stomoxys.

21021-68

INSECT ANSWERS; THE GREEN PEACH APHID.

A H Retan R Thornton

Wash State Univ Ext Serv E M 2943:2P.

May 1968 275.29 W270MI

Aphididae, Biochemistry, Chemical control (insects), Insect control, Insect morphology, Insect pests, Metamorphosis, Myzus persicae, Plant injuries.

21022-68

THE EFFECT OF TEMPERATURE AND RELATIVE HUMIDITY ON THE FLIGHT PERFORMANCE OF FEMALE AEDES AEGYPTI.

W A Rowley C L Graham

J Insect Physiol 14(9):1251-1257

Sep 1968 421 J825

Aedes aegypti, Humidity, Insect dissemination, Insect flight, Insect physiology, Measurement, Parameters, Research, Temperature, Time.

21023-68

A TRIAL FOR THE INTEGRATED (CHEMICAL AND BIOLOGICAL) CONTROL OF MUSCA DOMESTICA L. IN THE LIPARI ISLANDS-PRELIMINARY NOTE. (IT)

G Sacca P L Magaudda D Guarniera Riv Parassitol 28(4):295-307 MAP REF

Dec 1967 436.8 R52

Biochemistry, Biological control (insects), Chemical control (insects), Chemosterilants, Cochliomyia hominivorax, Integrated control (insects), Methodology, Musca domestica, Population, Research, Sterility.

21024-68

COMPARATIVE ALLOMETRY IN THE LARVAL BROODS OF THREE ARMY-ANT GENERA, AND DIFFERENTIAL GROWTH AS RELATED TO COLONY BEHAVIOR.

T C Schmeirla R R Gianutsos B S Pasternack Amer Natur 102(928,NOV-DEC):533-554 REF 31 Dec 1968 470 AM36 Demography, Formicidae, Insect behavior, Insect ecology, Larvae.

21025-68

RESPIRATION IN DEVELOPING HONEYBEE LARVAE.

R W Shuel S E Dixon

J Apicult Res 7(1):11-19 REF

1968 424.8 J82

Apis mellifera, Feeding, Insect respiration, Larvae, Morphology, Reproduction, Research.

21026-68

INVERTASE IN THE HYPOPHARYNGEAL GLANDS OF THE HONEYBEE.

J Simpson I B M Riedel N Wilding

J Apicult Res 7(1):29-36 REP

1968 424.8 J82

Aging, Apis mellifera, Invertase, Pharyngeal glands, Research, Secretion.

21027-68

AREA TREATMENT TO COMBAT MOSQUITOES.

J E Simpson R H Wright Nature 214(5083):113-114

01 Apr 1967 472 N21

Aedes aegypti, Air flow, Anopheles quadrimaculatus, Biochemistry, Biological control (insects), Carbon dioxide, Chemical control (insects), Experimental insects, Insect repellents, Research.

21028-68

EFFECTS OF INSECTICIDAL TREATMENT ON THE BIOLOGY OF SURVIVING INSECTS.

H Singh

Plant Protect Bull 19(1):21-29 REF

1967 421 P69

Biology, Insect physiology, Insecticides, Pesticide application.

21029-68

A GYNANDROMORPH GRASSHOPPER WITH AN OVOTESTIS (ORTHOPTERA, ACRIDIDAE).

E R Slifer R L King

Entomol News (philadelphia) 78(1):1-5

Jan 1967 421 EN88

Anatomy, Cytoplasm, Gynandromorphism, Melanoplus differentialis, Research.

21030-68

THE EFFECT OF CHEMICAL CONTROL OF INSECTS ON BEEKEEPING.

M V Smith

Entomol Soc Ontario Proc 91:37-38

1960 420 ON8

Bees, Chemical control (insects), Methodology, Poisoning, Research, Toxicology.

21031-68

PREDACIOUS HYPHOMYCETES AND THEIR APPLICATION IN THE CONTROL OF PATHOGENIC NEMATODES. QK625.0M740S63.

F T Soprunov

292 P. JERUSALEM, ISRAEL PROGRAM FOR SCIENTIFIC TRANSLA

966

Biology, Culture media, Environment, Fungi, Insect control, Metabolites, Moniliasis, Morphology, Nematodes, Parasitism, Soil analysis, Traps.

21032-68

INVESTIGATION INTO THE RELATIONSHIP BETWEEN SOIL MOISTURE AND CARABID COLONIZATION IN MEADOW POPULATIONS.

F Tietze

Pedobiologia 8(1):50-58 REF

1968 56.8 P343

Carabidae, Demography, Insect ecology, Soil moisture. English and German summaries

21033-68

BOOBY-TRAPPING AS AN ALTERNATIVE TO STERILE MALES FOR INSECT CONTROL.

M J Whitten K R Norris Nature 216(5120):1136 16 Dec 1967 472 N21 Cochliomyia hominivorax, Insect control, Insect traps, Insecticides, Laboratories, Lucilia cuprina, Sterilization, Toxicology.

21034-68

CYTOLOGICAL CHANGES IN THE FAT BODY OF RHODNIUS DURING STARVATION, FEEDING AND OXYGEN WANT.

V B Wigglesworth

J Cell Sci 2(2):243-255 REF

Jun 1967 QH301.J6.

Chemistry, Cytology, Cytoplasm, Feeding, Glycogen, Metabolism, Mitochondria, Mitosis, Oxygen, Proteins, Rhodnius, Ribonucleic acid, Starvation.

21035-68

INTRACELLULAR RESPONSES FROM THE GRASSHOPPER EYE.

D L Winter

Nature 213(5076):607-608

11 Feb 1967 472 N21

Cells, Eyes, Grasshoppers, Insect physiology, Light, Photoperiodism, Research.

21036-68

OCCURRENCE AND NATURE OF INVERTASE ACTIVITY IN ADULT BLACKFLIES (SIMULIIDAE).

T J Yang D M Davies

J Insect Physiol 14(9):1221-1232 REF

Sep 1968 421 J825

Culture media, Enzymes, Hydrogen-ion concentration, Insect physiology, Invertase, Oligosaccharides, Research, Simulium venustum, Time.

21037-68

INFECTION OF GRACE'S ANTHERAEA CELLS WITH ARBOVIRUSES.

C E Yunker J Cory

Amer J Trop Med Hyg 17(6):889-893 REF

Nov 1968 448.8 AM326

Antheraea eucalypti, Arboviruses, Assay, Cells, Insect physiology, Insect vectors, Research.

GENETICS

21038-68

POSSIBLE USE OF TRANSLOCATIONS TO FIX DESIRABLE GENES IN INSECT PEST POPULATIONS.

C F Curtis

Nature 218(5139):368-369

27 Apr 1968 472 N21

Breeding, Chromosomes, Genes, Insect genetics, Insect pests, Insect rearing, Meiosis, Mutation, Population.

21039-68

GENETICS OF NATURAL POPULATIONS. xL. HETEROTIC AND DELETERIOUS EFFECTS OF RECESSIVE LETHALS IN POPULATIONS OF DROSOPHILA PSEUDOOBSCURA.

T Dobzhansky B Spassky

Genetics 59(3):411-425 REF

Jul 1968 442.8 G28

Drosophila pseudoobscura, Heterosis, Insect genetics, Mortality, Population.

21040-68

SYNTHETIC LETHALITY AND SEMI-LETHALITY AMONG FUNCTIONALLY RE-LATED MUTANTS OF DROSOPHILA MELANOGASTER.

J C Lucchesi

Genetics 59(1):37-44 REF

May 1968 442.8 G28

Biochemistry, Drosophila melanogaster, Insect genetics, Mortality, Mutation, Research, Sterility, Tables (data).

21041-68

THE MEIOTIC BEHAVIOR OF TANDEM ACROCENTRIC COMPOUND X

CHROMOSOMES DROSOPHILA IN MELANOGASTER.

J R Merriam

Genetics 59(3):351-366

Jul 1968 442.8 G28

Biochemistry, Chromosomes, Cytology, Drosophila melanogaster, Insect genetics, Meiosis, Research, Tables (data).

21042-68

A SELECTION EXPERIMENT INVOLVING GENOTYPE X ENVIRONMENT INTERACTIONS IN TRIBOLIUM CASTANEUM. (AB-STRACT).

B N Nayak G W Friars

Can J Genet Cytol 10(3):768

Sep 1968 443.8 C16

Environment, Insect genetics, Research, Tribolium castaneum. Genetic Society of Canada annual meeting May 15-17, 1968

21043-68

INHERITANCE OF ETHER RESISTANCE IN DROSOPHILA MELANOGASTER.

M Ogaki E Nakashima-Tanaka S Murakami Jap J Genet 42(6):387-394 REF

Dec 1967 442.9 J27

Chemical control Drosophila (insects). melanogaster, Ethers, Heredity, Immunity, Insect genetics, Insecticides, Research.

CYTOPLASMIC INCLUSION BODY IN THE EPIDERMAL CELLS OF NORMAL AND TRANSPARENT SILKWORM LARVAE.

Y Waku K I Sumimoto M Eguchi J Insect Physiol 14(9):1319-1323

Sep 1968 421 J825

Bombyx mori, Breeding, Cells, Cuticle, Inclusion bodies, Insect genetics, Insect physiology, Larvae, Mutation.

21045-68

PERSISTENCE OF LETHAL GENES ASSOCIATED SD IN NATURAL POPULATIONS OF DROSOPHILA MELANOGASTER.

T K Watanabe

Jap J Genet 42(6):375-376 REF

Dec 1967 442.9 J27

Chromosomes, Drosophila melanogaster, Genes, Insect genetics, Lethal factor, Population, Research.

21046-68

POLYPLOIDY AND NUCLEAR FUSION IN THE FAT BODY OF RHODNIUS (HEMIPTERA).

V B Wigglesworth

J Cell Sci 2(4):603-615 REF

Dec 1967 QH301.J6

Chromosomes, Fat body, Insect genetics, Metabolism, Polyploidy, Rhodnius.

21047-68

GENETICS OF INSECT VECTORS OF DIS-EASE. RA639.0W7.

J W Wright R Pal

794 P. NEW YORK, ELSEVIER PUBLISHING COMPANY

1967

Aedes aegypti, Anopheles, Blattidae, Culex pipiens pipiens, Culicidae, Cytogenetics, Cytology, Equipment, Evolution, Genetics, Insect behavior, Insect control, Insect diseases, Insect vectors, Ixodides, Musca domestica, Physiology, Triatoma.

21048-68

PHENOL ACTIVITY OXIDASE AND PHENOTYPIC EXPRESSION OF THE MELANOTIC TUMOR STRAIN TUG IN DROSOPHILA MELANOGASTER.

H I Yamazaki E Ohnishi

Genetics 59(2):237-243 REF

Jun 1968 442.8 G28

Biochemistry, Drosophila melanogaster, Insect genetics, Insect physiology, Phenolases, Research, Tables (data).

MEDICAL ENTOMOLOGY

21049-68

NOTES ON BREEDING AND ENDOFILY OF MOSQUITOS IN THE SHOMRON DISTRICT, ISRAÈL.

A Barkai J Yofe

Riv Parassitol 28(4):291-294

Dec 1967 436.8 R52

Breeding, Culex pipiens molestus, Culex univittatus, Epidemiology, Human diseases, Insect traps, Insect vectors, Larvae, West nile virus. Italian summary

CHLOROQUINE RESISTANCE IN PLASMODI-UM FALCIPARUM MALARIA ON THE PACIFIC COAST OF COLOMBIA.

R D Comer M D Young J A Porter J R Gauld W Merritt

Amer J Trop Med Hyg 17(6):795-799

Nov 1968 448.8 AM326

Biochemistry, Chemical control (insects). Chloroquine, Epidemiology, Immunity, Insect vectors, Malaria control, Plasmodium falciparum.

PESTICIDES IN THE FIGHT AGAINST ARTHROPODS WHICH ARE A HAZARD TO HUMAN HEALTH.

V P Derbeneva-Ukhova I V Uspenskiy USSR Sci Abs (65):105

19 Nov 1968 241.64 UN333

Arthropoda, Chemical control (insects), Human diseases, Insect vectors, Insecticides.

21052-68

EXPERIMENTAL INFECTION OF TRIATOMA INFESTANS AND RHODNIUS PROLIXUS WITH TRYPANOSOMATIDAE OF THE GENERA CRITHIDIA AND BLASTOCRITHIDIA.

W L Hanson R B McGhee J H DeBoe J Protozool 15(2):346-349 REF

May 1968 439.8 J82

Insect vectors, Laboratories, Protozoa, Rhodnius prolixus, Triatoma infestans, Trypanosomatidae.

IDENTIFICATION OF HOST AND HOST ANTIBODIES FROM MOSQUITO BLOOD MEALS. B L Herndon D A Ringle

Nature 213(5076):624-625

11 Feb 1967 472 N21

Agar, Animal diseases, Anopheles, Antibodies, Blood, Culex, Feed, Human diseases, Insect vec-

CYCLOGUANIL PAMOATE IN THE TREAT-MENT OF CUTANEOUS LEISHMANIASIS. INI-TIAL TRIALS IN PANAMA.

C M Johnson

Amer J Trop Med Hyg 1/(6):819-822

Nov 1968 448.8 AM326

Cycloguanil pamoate, Diagnosis, Dosage, Drug therapy, Human diseases, Leishmaniasis, Panama, Research, Time.

21055-68

A MODIFIED, INDIRECT MICROHEMAGGLU-TINATION TEST FOR MALARIA.

W A Rodgers J A Fried I G Kagan Amer J Trop Med Hyg 17(6):804-809 REF Nov 1968 448.8 AM326

Antibodies, Antigens, Hemagglutination-inhibition test, Malaria, Plasmodium knowlesi, Research, Serological tests.

INVESTIGATIONS OF AN OUTBREAK OF VENEZUELAN EQUINE ENCEPHALITIS IN TOWNS OF EASTERN VENEZUELA.

O M Suarez G H Bergold

Amer J Trop Med Hyg 17(6):875-880 Nov 1968 448.8 AM326

aegypti, Culex quinquefasciatus, Epidemiology, Human diseases, Insect vectors, Research, Venezuelan cquine encephalitis virus, Virus diseases (animals).

TREATMENT OF AMERICAN CUTANEOUS LEISHMANIASIS WITH CYCLOGUANIL LEISHMANIASIS PAMOATE.

B C Walton D A Person M H Ellman R Bernstein Amer J Trop Med Hyg 17(6):814-818

Nov 1968 448.8 AM326

Cycloguanil pamoate, Dosage, Drug therapy, Human diseases, Injections, Leishmaniasis, Parasitism.

21058-68

CONTRACT-SPREAD T-SPREAD OF VENEZUELAN ENCEPHALOMYELITIS VIRUS EQUINE ENCEPHALOMYELITIS VIRUS AMONG COTTON RATS VIA URINE OR FECES AND THE NASO OR OROPHARYNX. A POSSIBLE TRANSMISSION CYCLE IN NA-

M L Zarate W F Scherer

Amer J Trop Med Hyg 17(6):894-899 REF Nov 1968 448.8 AM326

Feces, Infectious diseases, Insect vectors, Rats, Urine, Venezuelan equine encephalomyelitis, Virus diseases (animals).

CROP PROTECTION

21059-68

STUDIES ON PLANT GROWTH-REGULATING SUBSTANCES. XXIV. FACTORS INFLUENCING KINETIN-INDUCED PHOSPHORUS MOBILIZATION IN DETACHED RADISH BILIZATION IN DETA COTYLEDONARY LEAVES.

R K Atkin R L Wain

Ann Appl Biol 60(2):321-331 REF

Oct 1967 442.8 AN72

Actinomycin d, Biological assay, Kinetin, Leaves, Phosphorus, Plant regulators, Radishes. Ribonuclease.

Abstract: Kinetin of detached radish cotyledonary leaves was shown: a)to defer dry weight and chlorophyll declines that usually occur after leaf detachment; and (b) to promote the redistribution of phosphorus towards treated regions.

21060-68

EFFECT OF APHIS FABAE SCOP, AND ITS ATTENDANT ANTS AND INSECT PREDATORS ON YIELDS OF FIELDS BEANS (VICIA FABA

C J Banks E D M Macaulay Ann Appl Biol 60(3):445-453 REF

Dec 1967 442.8 AN72

Aphis fabae, Beans, Coccinellidae, Formicidae, Insect pests, Larvae, Lasius niger, Syrphidae.

21061-68

GREENHOUSE ASSAYS DIAGNOSE SUGAR BEET PROBLEMS IN DELTA SOILS.

A L Brown F J Hills B A Krantz T Lyons E F Nourse

Calif Agr 22(2):4

Feb 1968 100 CI2CAG

Biological assay, Greenhouses, Plant nutritional deficiencies, Potassium, Research, Soils, Sugar beets.

21062-68

EFFECT OF TEMPERATURE ON RESPONSE OF PLANTS TO OZONE AS CONDUCTED IN A SPECIALLY DESIGNED PLANT FUMIGATION CHAMBER.

A M Cantwell

Plant Dis Rep 52(12):957-960

Dec 1968 I.9 P69P

Equipment, Fumigation, Ozone, Plant injuries, Plant protection, Plants, Research, Temperature.

21063-68

MOISTURE SENSITIVITY, MECHANICAL IN-JURY AND GIBBERELLIN TREATMENT OF BETA VULGARIS SEEDS.

R S Chetram W Heydecker

CROP PROTECTION

21064-68

Nature 215(5097),210 08 Jul 1967 472 N21

Agricultural research, Beets, Gibberellins, Harvesting injuries, Humidity, Seed germination.

21064-68

STRESS IN RELATION NUTRITION FUSARIUM WILT AND ROOT ROT OF ALFAL-FA.

C C Chi

Plant Dis Rep 52(12):939-943

Dec 1968 1.9 P69P

Alfalfa, Fusarium, Nutrition, Osmotic pressure, Physiology, Plant protection, Research, Root rot

21065-68

A CO-ORDINATE INDEXING SYSTEM FOR CROP PROTECTION INFORMATION.

J I Chuter J A Silk

PANS (Pest Art News Sum) Sect C Weed Contr 14(2):111-116

Jun 1968 79.9 G792

Crops, Information retrieval systems, Insect pests, Plant diseases, Weeds.

21066-68

MARKETING OF LAC IN INDIA. 280.39 IN2.

440 P. GOVERNMENT OF INDIA

Agricultural outlook, Chemurgy, Lac, Marketing research, Prices, Quantitative analysis, Research, Storage.

THE DEVELOPMENT OF BOTRYTIS CINEREA ON CUT FLOWERS OF CARNATION.

K L Edncy

Ann Appl Biol 60(3):367-374 REF

Dec 1967 442.8 AN72

Botrytis cinerca, Conidia, Dianthus caryophyllus, Flowers, Immunization, Polyethylene, Secd ger-

21068-68

EFFECT OF SEED COATING WITH PHORATE DISYSTON ON THE GROWTH CRAL CONTENTS OF COT MINERAL COTTON SEEDLINGS.

M El-Kadi M Zaki M Abo-Elghar A Shaaban

An Agr Sci 9(2):45-62 REF

Dcc 1964 24 AN72

Cottonseed, Disyston, Insecticides, Phorate, Physiology, Research, Sced treatment, Spraying. Arabic summary

THE GENETICS SOCIETY OF CANADA.

Can J Genet Cytol 10(3):762

Sep 1968 443.8 C16

Genetics, Reports.

THE EFFECTS ON SOIL FAUNA OF INSECTI-CIDES TESTED AGAINST (AGRIOTES SPP.) IN WHEAT. WIREWORMS

D C Griffiths F Raw J R Lofty

Ann Appl Biol 60(3):479-490 REF

Dec 1967 442.8 AN72

Aldrin, Biological assay, Collembola, Dieldrin, Elateridae, Insecticides, Mites, Organophosphorus compounds, Soil fauna, Wheat.

21071-68

ON CYST COLOUR CHANGES, BIONOMICS AND DISTRIBUTION OF POTATO CYST-EEL-WORM (HETERODERA ROSTOCIIIENSIS WOLL.) PATHOTYPES IN THE EAST MIDLANDS.

C T Guile

Ann Appl Biol 60(3):411-419, MAP

Dcc 1967 442.8 AN72

Cysts, Heterodera rostochiensis, Larvae, Nematodes, Plant ecology, Potatoes, Roots.

CHEMICAL INDUCTION OF FRUIT ABSCIS-SION IN OLIVES.

HT Hartmann A J Heslop J Whisler

Calif Agr 22(7):14-16

Jul 1968 100 C12CAG

Abscission, Chemicals, Environment, Harvesting, Olives, Research, Spraying, Tables (data).

EXPERIMENTS ON THE TIME OF APPLICA-TION OF INSECTICIDE TO DECREASE THE SPREAD OF YELLOWING VIRUSES OF SUGAR BEET, 1954-66.

R Hull G D Heathcotc

Ann Appl Biol 60(3):469-478

Dec 1967 442.8 AN72

Aphididae, Aphis fabae, Demcton, Insecticide application, Methyl, Spraying, Sugar bects, Yellows.

21074-68

EFFECTS OF GROWTH REGULATORS, CCC AND B9, ON SOME POTATO VARIETIES.

E C Humphries P W Dyson

Ann Appl Biol 60(2):333-341

Oct 1967 442.8 AN72

Chloroethyl)trimethylammonium chloride, (2-, Gibberellins, Plant physiology, Plant regulators, Potatoes, Succinic acid, 2,2-dimethylhydrazide.

Abstract: The effects of CCC and B9 on the growth habit of potato differed between varieties. CCC dimished stem lengths and dry weight more than B9 because Ccc was applied early when shoots emerged from the soil, but B9 was applied about 3 weeks later when several leaves had formed.

21075-68

LEAF BLADE FOLDING AND MOTOR CELLS OF SOME BLUE GRASSES. (JA

Gifu Univ Fac Agr Res Bull (24):327-337 1967 107.6 G364

Behaviorism, Cells, Irrigation, Leaves, Measurement, Microscopy, Plant ecology, Plant water relations, Poa annua, Poa pratensis, Research. English summary.

21076-68

THE INFLUENCE OF INDOL-3YL ACETIC ACID AND SUGAR ON THE PATTERN OF INDUCED DIFFERENTIATION IN PLANT TISSUE CULTURE.

R A Jeffs D H Northcote

J Cell Sci 2(1):77-88

Mar 1967 OH301.J6

Biology, Cytology, Indolebutyric acid, Kidney beans, Radioactivity, Sugar, Vascular system (plants).

21077-68

SOME CURRENT PROBLEMS IN PLANT PRO-TECTION.

M I Kabachnik

USSR Sci Abs (65):109

19 Nov 1968 241.64 UN333

Insect pests, Pesticides, Plant diseases, Plant pro-

STUDIES ON IRRIGATION FOR HERBAGE GRASS. II. ON THE EFFICIENCY OF WATER USE BY ORCHARD GRASS AND LADINO CLOVER. (JA)

Z Kato T Nishide K Ota I Kawase

Gifu Univ Fac Agr Res Bull (24):193-203

1967 107.6 G364

Forage plants, Grasses, Irrigation, Ladino clover, Plant physiology, Research, Soil moisture. English summary.

21079-68

THE ROLE OF WOUNDS IN THE INFECTION OF ORANGES BY PENICILLIUM DIGITATUM SACC.

J A Kavanagh Wood

Ann Appl Biol 60(3):375-383 Dcc 1967 442.8 AN72

Citric acid, Conidia, Injuries, Oranges, Penicillium digitatum.

SOME FACTORS IN RESISTANCE OF CITRUS TO PHYTOPHTHORA SPP.

L J Klotz W P Bitters T A DeWolfe M J Garber Plant Dis Rep 52(12):952-955

Dec 1968 1.9 P69P

Citrus, Fungus diseases (plants), Phytophthora, Plant protection, Research, Soils, Tables (data).

STUDIES ON THE MOVEMENT OF SOIL WATER. II. ON THE MEASUREMENT OF THE FREE WATER IN THE SOIL OF EVERY KIND BY THE FREEZING POINT DEPRESSION METHOD AND ITS SELF-RECORDING. (JA M Kobayashi T Furuta

Gifu Univ Fac Agr Res Bull (24):204-211

1967 107.6 G364

Measurement, Melting points, Methodology, Research, Soil moisture, Water analysis. English summary.

21082-68

HERBICIDE RESIDUES IN CALIFORNIA AGRICULTURAL SOILS.

A Lange B Fischer W Humphrey W Seyman K Baghott

Calif Agr 22(8):2-4

Aug 1968 100 C12CAG

Chemicals, Crops, Herbicide residues, Plant regulators, Research, Soils.

PESTICIDES AND THE WASHINGTON SCENE. REPORT, 1966 MEETING, NOVEMBER 30, 1966. WASHINGTON. SB951.0M42.

L A McLean

14 P. REF

30 Nov 1966

Biochemistry, Chemical control (pests), Pesticides, Reports.

CALIFORNIA RICE GROWERS SEEK HELP TO REDUCE AIR POLLUTION.

J R Miller

Rice J 71:23-26

Oct 1968 59.8 R36

Air pollution, Crop yields, Environment, Research, Rice, Weather forecasting.

21085-68

INHERITANCE OF REACTION TO LEAF RUST IN VULGARE WHEAT IN THE U.A.R.

A A M Omar A K A Sclim A S A Gomaa

An Agr Sci 9(2):139-154 REF

Dcc 1964 24 AN72

Epidemiology, Fungus diseases (plants), Leaf rust (wheat), Plant disease resistance, Research, Spraying, Water. Arabic summary

EFFECT OF B-INDOLYLACETIC ACID ON THE GROWTH AND THE AUXIN CATABOLISM OF LACTOBACILLUS BULGARICUS.

P E Pilet B Blanc

Nature 217(5125):285-287 REF

20 Jan 1968 472 N21

Culture media, Indoleacetic acid, Lactobacillus bulgaricus, Metabolism, Oxidases, Physiology, Plant hormones, Research.

21087-68

EFFECTS OF ALAR AND TOP REMOVAL ON YIELD OF FRESNO STRAWBERRIES AT THREE DIGGING DATES.

R E Puffer V Voth H J Bowen R H Gripp

Calif Agr 22(2):11-13

Feb 1968 100 C12CAG

Research, Soil analysis, Strawberries, Succinic acid, 2,2-dimethylhydrazide.

WORLD STATUS OF THE PLANT-PROTECT-ING AGENT INDUSTRY AND RESEARCH WITII SPECIAL REFERENCE TO HUNGARIAN CONDITIONS. (JPRS 42,586) TRANSL. 16933. **B** Raskai

12 P.

13 Sep 1967

Industry, Insect pests, Plant diseases, Plant injuries, Plant protection, Research, Surveys, Weeds, World agricultural situation. Translated from Magyar Kemikusok Lapja 10-11:577-582, 1964. issued by

21089-68

PLASTIC FILM TUBE CLOSURES IN THE CONSERVATION OF FUNGAL CULTURES. C Reynolds W Lock

Plant Dis Rep 52(12):961-962

Dec 1968 1.9 P69P

Culture media, Equipment, Fusarium oxysporum, Poria weirii, Research.

THE EFFECT OF A POST-HARVEST HEAT-TREATMENT ON THE STORAGE BEHAVIOUR OF COX'S ORANGE PIPPIN APPLE FRUITS.

R O Sharples

Ann Appl Biol 59(3):401-406

Jun 1967 442.8 AN72

Apples, Gloeosporium, Heat, Plant physiological diseases, Storage diseases, Water analysis.

PRODUCTION OF AUXIN BY DETACHED LEAVES.

A R Sheldrake D H Northcote Nature 217(5124):195

13 Jan 1968 472 N21

Amino acids, Bacteria, Epiphytes, Indoleacetic acid, Kidney beans, Leaves, Oats, Peptides, Plant hormones, Research, Sampling (statistics).

AFLATOXINS BI, B2, GI, AND G2: SEPARA-TION AND PURIFICATION.

R D Stubblefield O L Shotwell G M Shannon J Amer Chem 45(10):686-688 REF Oct 1968 307.8 J82

Aflatoxin, Aspergillus flavus, Chromatography, Research, Rice, Silicic acid, Sterilization, Wheat.

EFFECT OF PENTACHLORONITROBENZENE ON QUALITY OF POTATOES.

J P Sweeney V J Chapman P A Hepner Amer Potato J 45(10):383-390 REF

Oct 1968 75.8 P842

Crop yields, Pentachloronitrobenzene, Potatoes, Research, Soil testing, Storage. French summary

21094-68

STUDIES ON PLANT GROWTH-REGULATING SUBSTANCES. XXV. THE PLANT GROWTH-REGULATING ACTIVITY OF CINNAMIC ACIDS.

E N Ugochukwu R L Wain

Ann Appl Biol 61(1):121-130 REF

Feb 1968 442.8 AN72

Biochemistry, Cinnamic acid compounds, Peas, Wheat.

DISEASES

SURVIVAL TIME OF EXOCORTIS VIRUS OF CITRUS ON CONTAMINATED KNIFE BLADES. R M Allen

Plant Dis Rep 52(12):935-939 Dec 1968 1.9 P69P

Environment, Exocortis (citrus), Research, Tools, Virus diseases (plants).

21096-68

CRITICAL CONSIDERATIONS FOR THE TRANSLOCATION OF VIRAL VIRAL NUCLEOPROTEINS INTO PLANTS.

E Baldacci E Betto G G Conti G Vegetti

Riv Patol Veg 4(2):251-262

Oct 1966 464.8 R52

Biological transport, Nucleoproteins, Reproduction, Research, Viral vaccines, Virus diseases (plants). English summary 21097-68

DIFFERENT RESULTS FROM THE SELEC-TION OF VIRUS FREE GRAPES.

E Baldacci G Belli

Riv Patol Veg 4(3):263-267

Oct 1967 464.8 R52

Fanleaf (grapes), Germ-free life, Grapes, Leaf roll (grapes), Rescarch, Virus diseases (plants). English summary

VAPOUR ACTION OF FUNGICIDES AGAINST POWDERY MILDEWS.

K J Bent

Ann Appl Biol 60(2):251-263

Oct 1967 442.8 AN72

Chemical control (plant diseases), Cucumbers, Fungicides, Leaves, Plant growth inhibitors, Powdery mildew, Seed germination, Vapors.

GRAY MOLD OF GREEN ONIONS ON THE MARKET.

L Beraha

Plant Dis Rep 52(12):974-975

Dec 1968 1.9 P69P

Botrytis allii, Distilled water, Environment, Gray mold, Injections, Onions, Plant protection, Research, Sodium hypochlorite.

FREEZING AND THAWING OF THE SUSPEN-SION TO PURIFY THE INFECTIOUS TOBAC-CO MOSAIC VIRUS.

E Betto G G Conti G Vegetti

Riv Patol Veg 4(3):309-321

Oct 1967 464.8 R52

Distilled water, Mosaic (tobacco), Nucleoproteins, Research, Virus diseases (plants). English summary

21101-68

POTATO LEAF ROLL VIRUS TRANSMISSION AS AFFECTED BY PLANT LOCALITY.

G W Bishop

Amer Potato J 45(10):366-372 REF

Oct 1968 75.8 P842

Correlation, Insect control, Leaf roll (potatoes), Myzus persicae, Plant translocation, Research, Virus diseases (plants).

STUDIES ON THE INFLUENCE OF LEAF WASHINGS ON MYCOSPHAERELLA LIGULICOLA.

J P Blakeman

Ann Appl Biol 61(1):77-88 REF

Feb 1968 442.8 AN72

Chrysanthemum, Dialysis, Fungus (plants), Heating, Leaves, Mycosphaerella, Plant physiology.

21103.68

STRAINS OF PRUNUS, NECROTIC RINGSPOT VIRUS IN HOP (HUMULUS LUPULUS L.).

Ann Appl Biol 59(3):437-446 REF

Jun 1967 442.8 AN72

Apples, Centrifuges, Cherries, Hops, Mosaic (arabis), Necrotic ring spot (prunus), Nettlehead (hops), Serological tests, Sucrose.

21104-68

INFLUENCE OF DIRECT-DRILLING WINTER WHEAT ON INCIDENCE OF TAKE-ALL AND EYESPOT.

D H Brooks M G Dawson Ann Appl Biol 61(1):57-64

Feb 1968 442.8 AN72

Cercosporella herpotrichoides, Chemical control

(plant diseases), Fungus diseases (plants), Herbicides, Ophiobolus, Paraquat, Tillage, Wheat.

ZINC DEFICIENCY SYMPTOMS OF BEANS.

J W Brown G E Leggett

Pacific Northwest Fert Conf Proc 18:165-172 Jul 1967 57.9 P11

Beans, Deficiency diseases, Harvesting, Research, Tables (data), Zinc.

21106-68

SOME OBSERVATIONS ON THE ECONOMIC IMPORTANCE OF SUGAR-BEET DOWNY MIL-DEW IN ENGLAND.

W J Byford R Hull

Ann Appl Biol 60(2):281-296 REF

Oct 1967 442.8 AN72

Beets, Crop yields, Downy mildew, Economics, Fungi, Mangel-wurzel, Plant disease transmission, Plant diseases, Seeds, Sugar beets.

21107-68

MECHANICAL TRANSMISSION OF CITRUS INFECTIOUS VARIEGATION FROM THE CITRUS OF A NEW HOST WEED.

A Catara S Grasso

Riv Patol Veg 4(3):269-283

Oct 1967 464.8 R52

Citrus, Infectious variegation (oranges), Injections, Insect pests, Seedlings, Virus diseases (plants), Weeds. English summary

21108-68

HOST RANGE AND VARIATION IN VIRU-LENCE OF MYCOSPHAERELLA LIGU-LICOLA.

C G C Chesters J P Blakeman

Ann Appl Biol 60(3):385-390 Dec 1967 442.8 AN72

Chrysanthemum, Fungus diseases (plants), Mycosphaerella, Microorganisms, Plants, Pyrethrum, Virulence.

DISTRIBUTION OF PEANUT STUNT VIRUS IN WHITE CLOVER IN SOUTH CAROLINA AND ITS RELATIONSHIP TO PEANUT CULTURE.

D Choopanya

Plant Dis Rep 52(12):926-928, MAP

Dec 1968 1.9 P69P

Culture media, Peanuts, Stunt, Surveys, Tables (data), Virus diseases (plants), White clover.

ELIMINATION OF POTATO VIRUS X IN THE POTATO VARIETY DIANELLA. (DA)

M Christensen

Tidsskr Plant 72(2):241-244 REF

1968 11 T439

Heat, Plant protection, Potatoes, Virus diseases (plants), Virus x (potatoes). English summary

21111-68

THE TRANSFER OF BLUE MOLD RE-SISTANCE TO TOBACCO FROM NICOTIANA DEBNEYI: PT II, CHROMOSOME STUDIES. E E Clayton H E Heggestad J J Grosso L G

Burke Tobacco 165(6):25

11 Aug 1967 286.89 T552

Chromosomes, Downy mildew (tobacco), Meiosis, Nicotiana debneyi, Research, Tobacco.

21112-68

SCREENING TRIALS OF MATERIALS FOR SUPPRESSING SPORE PRODUCTION BY GLOEOSPORIUM PERENNANS ON APPLE TREES.

A T K Corke

Ann Appl Biol 60(2):241-249

Oct 1967 442.8 AN72

Apples, Biochemistry, Canker, Fungicides, Gloeosporium, Plant budding, Plant disease transmission, Trees.

THE ADAPTATION OF TOMATO MOSAIC VIRUS TO RESISTANT TOMATO PLANTS. J R O Dawson

Ann Appl Biol 60(2):209-214 REF

Oct 1967 442.8 AN72

Breeding, Immunization, Mosaic (tomatoes), Plant disease resistance, Plant disease transmission, Plant genetics, Virus diseases (plants).

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SPREAD OF NECROTIC RINGSPOT VIRUS IN A SOUR CHERRY ORCHARD.

J W Demski J S Boyle

Plant Dis Rep 52(12):972-974

Dec 1968 1.9 P69P

Crop yields, Necrotic ring spot (cherries), Orchidaceae, Plant protection, Research, Sour cherries, Virus diseases (plants).

BIOCHEMICAL CHANGES IN INFECTION DROPLETS CONTAINING SPORES OF BOTRYTIS SPP. INCUBATED IN THE SEED CAVITIES OF PODS OF BEAN (VICIA FABA

B J Deverall

Ann Appl Biol 59(3):375-387 REF

Jun 1967 442.8 AN72

Amino acids, Beans, Botrytis, Botrytis cinerea, Broadbeans, Fructose, Fungicides, Galacturonic acid, Glucose, Sucrose.

21116-68

STUDIES ON THE SURVIVAL OF MYCOSPHAERELLA PINODES AND AS-COCHYTA PISI.

C H Dickson J J Sheridan

Ann Appl Biol 62(3):473-483 REF

Dec 1968 442.8 AN72

Ascochyta pisi, Fungus diseases (plants), Hibernation, Laboratories, Microo Mycosphaerella pinodes, Research, Soils. Microorganisms,

21117-68

RESULTS OF SEVERAL YEARS OF EXPERIMENTS CONCERNING RESISTANCE TO LOOSE SMUT IN SPRING WHEAT AND SPRING BARLEY. (GE)

R Diercks R Klewitz

Nachrichtenbl Deut Pflanzenschutzdienstes 20(5):70-72

May 1968 442.9 B832

Breeding, Injections, Plant disease resistance, Research, Smut (barley), Smut (wheat). English summary

21118-68

EFFECT OF SOIL FUMIGANTS ON FUSARIUM WILT AND NODULATION OF PEAS (PISUM SATIVUM L.).

D L Ebbels

Ann Appl Biol 60(3):391-398 REF

Dec 1967 442.8 AN72

Chloropicrin, Dazomet, Formaldehyde, Fusarium, Peas, Pisum sativum, Rhizobium, Soil fumigation, Wilt.

21119-68

INFECTION OF XANTHIUM PUNGENS BY SEEDBORNE VERTICILLIUM DAHLIAE.

Plant Dis Rep 52(12):976-978

Dec 1968 1.9 P69P

Fungus diseases (plants), Greenhouses, Research, Seedlings, Soil structure, Verticillium dahliae, Xanthium pungens.

INHERITANCE OF CROWN RUST RE-SISTANCE IN AVENA STERILIS. (ABSTRACT).

G Fleischmann R I H McKenzie

Can J Genet Cytol 10(3):762

Sep 1968 443.8 C16

Crown rust (avena sterilis), Fungus diseases (plants), Genetics, Inheritance, Plant disease resistance. Genetics Society of Canada annual meeting May 15-17,1968

PHYTOPHTHORA (PHYTOPIITHORA MEGASPERMA) ROOT ROT OF ALFALFA.

F I Frosheiser

Minn Sci 24(4):10

1968 100 M668

Alfalfa, Crop yields, Environment, Fungus diseases (plants), Greenhouses, Phytophthora megasperma, Soil moisture, Surveys.

21122-68

THE EFFECT OF ROSETTE VIRUS ON FLOWERING IN THE GROUNDNUT (ARACHIS HYPOGAEA L.).

R W Gibbons A C Turley

Rhodesia, Zambia, Malawi J Agr Res 5(2):139-143

Jul 1967 24 R3472

Peanuts, Plant physiology, Reproduction, Rosette, Tables (data), Virus diseases (plants).

BROAD-BEAN STAIN AND TRUE BROAD-BEAN MOSAIC VIRUSES.

A J Gibbs G Giussani-Belli H G Smith

Ann Appl Biol 61(1):99-107 REF

Feb 1968 442.8 AN72

Broadbeans, Mosaic, Ribonucleic acid, Serological tests, Virus diseases (plants).

MIMOSA WILT FUSARIUM CARRIED IN SEED.

D L Gill

Plant Dis Rep 52(12):949-951

Dec 1968 1.9 P69P

Albizia julibrissin, Fusarium oxysporum, Injections, Mimosa, Plant translocation, Research, Seedlings,

21125-68

A RUST OF TOBACCO IN RHODESIA. W F T Hartill

Rhodesia, Zambia, Malawi J Agr Res 5(2):189 Jul 1967 24 R3472

Fungus diseases (plants), Plant physiology, Puccinia, Rust, Tobacco.

FINE STRUCTURE OF THE RICE BLAST. II. ELECTRONMICROGRAPHS OF THE INITIAL INFECTION.

Y Hashioka H Ikegami O Horino T Kamei Gifu Univ Fac Agr Res Bull (24):78-90 REF 1967 107.6 G364

Blast (rice), Cells, Fungi, Fungus diseases (plants), Research. Japanese summary

VIABLE SEPTORIA SPP. IN CELERY SEED SAMPLES.

P D Hewett

Ann Appl Biol 61(1):89-98

Feb 1968 442.8 AN72

Agar, Celery, Culture media, Injections, Reproduction, Seedlings, Septoria.

RUSSET CRACK; A MENACE TO THE SWEET-POTATO INDUSTRY. II. NATURAL TRANS-MISSION.

E H Hilbebrand

Plant Dis Rep 52(12):967-971

Dec 1968 1.9 P69P

Crop losses, Insect vectors, Myzus persicae, Research, Russet crack (sweetpotatoes), Sweetpotatoes, Trialeurodes abutilonea, Virus diseases (plants).

OBSERVATIONS ON THE VAPOUR PHASE ACTIVITY OF SOME FOLIAGE FUNGICIDES.

E C Hislop

Ann Appl Biol 60(2)2:265-279 REF

Oct 1967 442.8 AN72

media, Dosage, Equipment, Fungicides, Immunity, Leaves, Plant growth inhibitors, Seed germination, Vapors.

NON-FUNGICIDAL, CHEMICAL CONTROL OF SOILBORNE DISEASES.

D M Huber

Jul 1967 57.9 P11

Chemical control (plant diseases), Crops, Deficiency diseases, Fumigation, Fungicides, Research, Soil-borne plant diseases.

PEAR LEAF CURL VIRUS TRANSMITTED BY PEAR PSYLLA.

G H Kaloostian L S Jones

Plant Dis Rep 52(12):924-925

Dec 1968 1.9 P69P

Insect vectors, Leaf curl, Psylla pyricola, Research, Trees, Virus diseases (plants).

21132-68

REACTIONS OF GROUNDNUT VARIETIES TO THE GROUNDNUT VIRUSES.

P I Klesser

S Afr J Agr Sci 11(2):415-421

Jun 1968 24 SU3

Chlorosis (plants), Mosaic (peanuts), Peanuts, Plant disease resistance, Virus diseases (plants).

WEED CONTROL IN FLUE-CURED TOBACCO.

G C Klingman

Tobacco 165(10):25

08 Sep 1967 286.89 T552

Chemical control (weeds), Flue-cured tobacco, Herbicides, Reports, Research, Tobacco, Weed

EXPERIMENT RESULTS AND PROBLEMS OF PHYTOPATHOGENIC VIRUSES IN GERMAN DEMOCRATIC REPUBLIC. (POL)

M Klinkowski

Poznan Inst Ochrony Roslin Biul 28(1):76

1967 464.9 P87

Chemical control (plant diseases), Fruit, Ornamental plants, Phytopathology, Plant breeding, Potatoes, Sugar beets, Trees, Vegetables. Summary in english

21135-68

SOME EFFECTS OF CULTURAL TREAT-MENTS ON VIRUS DISEASES OF CUL-TIVATED MUSHROOM, AGARICUS BISPORUS.

F T Last M Hollings O M Stone Ann Appl Biol 59(3):451-462 REF

Jun 1967 442.8 AN72

Agar, Cultural control (plant diseases), Electron microscopy, Heating, Immunization, Mushrooms, Plant abnormalities, Virus diseases (plants).

DIFFERENCES IN SENSITIVITY TO BORON DEFICIENCY FOUND IN VARIETIES OF ROOT CELERY. (GE)

HO Leh

Nachrichtenbl Deut Pflanzenschutzdienstes 20(6):82-83

Jun 1968 442.9 B832

Boron, Breeding, Celery, Plant nutritional deficiencies, Research, Roots. English summary

ALFALFA ANTHRACNOSE IN WASHINGTON.

O C Maloy Plant Dis Rep 52(12):983

Dec 1968 1.9 P69P

Alfalfa, Anthracnose, Colletotrichum, Fungus diseases (plants), Research, Surveys.

21138-68

EMERGENCE AND PHYTOPATHOLOGICAL PROPERTIES OF A NEW STRAIN OF CLAVICEPS PURPUREA (FR.) TUL. ON RYE.

P G Mantle

Ann Appl Biol 60(3):353-356

Dec 1967 442.8 AN72

Claviceps Alkaloids. purpurea, Lolium. Phytopathology, Rye, Sclerotia.

21139-68

EFFECT OF WAX AND LANOLIN EMULSIONS ON THE EFFICIENCY OF POTATO-BLIGHT FUNGICIDES IN LABORATORY TESTS.

Biochemistry, Biological assay, Botrytis, Culture

Pacific Northwest Fert Conf Proc 18:95-98

A H McIntosh D W Eveling Ann Appl Biol 60(2):223-230

Oct 1967 442.8 AN72

Biochemistry, Early blight (potatoes), Emulsions, Fungicides, Paraffin wax, Phytophthora infestans, Plant diseases, Wool fat.

FURTHER STUDY OF THE LATENT STRAIN OF THE TOBACCO MOSAIC VIRUS.

H H McKinney

Plant Dis Rep 52(12):919-922

Dec 1968 1.9 P69P

Injections, Leaves, Mosaic (tobacco), Nicotiana sylvestris, Research, Serological tests, Virus diseases (plants).

21141-68

DISEASES OF FLORIDA FLUE-CURED TOBACCO IN 1968.

CR Miller RS Mullin EB Whitty

Plant Dis Rep 52(12):984

Dec 1968 1.9 P69P

Flue-cured tobacco, Fungus diseases (plants), Meloidogyne, Research, Tobacco.

REACTION OF PEPPER VARIETIES TO NATU-RALLY OCCURRING VIRUSES IN CALIFOR-NIA.

H Nagai P G Smith

Plant Dis Rep 52(12):928-930

Dec 1968 1.9 P69P

Agglutination test, Bush redpeppers (vegetable), Injections, Research, Virus diseases (plants).

INHERITANCE OF RESISTANCE TO BLACK ROOT-ROT DISEASE IN TOBACCO. I. ANALY-SIS OF THE GENE CONTROLLING THE RE-SISTANCE. (JA)

A Nakamura T Matuda H Nakatogana

Jap J Breed 18(4):241-246 REF

Aug 1968 64.8 J27

Black root rot (tobacco), Breeding, Genes, Heredity, Plant disease resistance, Plant genetics, Tables (data).

VIRUS DISEASE SURVEY OF RICE PLANTS IN KYUSHU DISTRICT, 1962.

T Nishizawa T Kimura Y Nishi

Kyushu Agr Exp Sta Bull 12(3/4):251-268 Jan 1967 107.6 K996B

Culture media, Research, Rice, Surveys, Transplanting, Virus diseases (plants). English summary

AMINO ACID SEQUENCE OF A COMMON JAPANESE STRAIN OF TOBACCO MOSAIC VIRUS.

Y Nozu Y Okada

J Molec Biol 35(3):643-646

14 Aug 1968 442.8 J8224

Amino acids, Biochemistry, Chromatography, Mosaic (tobacco), Peptides, Research, Virus diseases (plants).

21146-68

PHOMA LEAF SPOT OF TOMATO AND POTATO IN HAWAII.

F P Obrero E E Trujillo M Aracaki

Plant Dis Rep 52(12):946-947

Dec 1968 1.9 P69P

Culture media, Injections, Leaf spot, Phoma, Potatoes, Research, Surveys, Tomatocs.

CONTROL OF POWDERY MILDEW ON CAN-TALOUPE.

A O Paulus F Shibuya T W Whitaker B J Hall G W Bohn

Calif Agr 21(3):12-13

Mar 1967 100 C12CAG

Cantaloupes, Fungus diseases (plants), Pest control, Powdery mildew (cantaloupes).

21148-68

HEMATOLOGIC EXAMINATION, AN AID IN THE DIAGNOSIS OF CATTLE LEUCOSIS. (SP) Gh Paunescu Z Sirbu

Rev Zootech Med Vet 6:49-58

Jun 1968 49 P943

Anatomy, Animal diseases, Blood cells, Cattle, Epizootic diseases, Hematology, Histology, Research. Russian and English summary

SOIL DESICCATION AND FUMIGATION FOR ARMILLARIA ROOT ROT IN CITRUS.

R L Rackham W D Wilbur T E Szuszkiewicz J Нага

Calif Agr 22(1):16-18

Jan 1968 100 C12CAG

Armillaria mellea, Citrus, Fumigation, Fungus diseases (plants), Research, Soils.

INFLUENCE OF LIGHT ON ALTERNATION PRODUCTS OF UROMYCES PHASEOLI (PERS.) WINT.; MAINLY A BURDEN OF AMINO ACIDS ON STRING BEANS.

V Raggi

Riv Patol Veg 4(2):263-302

Oct 1966 464.8 R52

Amino acids, Beans, Leaves, Light, Research, Uromyces phaseoli. English summary

TWEEN 20 AS AN ADJUVANT FOR SYSTEMIC SOIL FUNGICIDES FOR VERTICILLIUM IN COTTON.

T E Rawlins J A Booth

Plant Dis Rep 52(12):944-945

Dec 1968 1.9 P69P

Adjuvants, Chemical control (plant diseases), Fungicides, Physiology, Plant regulators, Research, Ta-bles (data), Upland cotton, Verticillium alboatrum.

21152-68

THE INCORPORATION OF ALIEN DISEASE RESISTANCE IN WHEAT BY GENETIC INTERFERENCE WITH THE REGULATION OF MEIOTIC CHROMOSOME SYNAPSIS.

R Riley V Chapman R Johnson

Genet Res 12(2):199-219 REF

Oct 1968 443.8 G283

Breeding, Chromosomes, Meiosis, Plant disease resistance, Plant diseases, Plant genetics, Research, Wheat.

21153-68

SOME FACTORS AFFECTING GERMINATION OF PERONOSPORA FARINOSA CONIDIA IN WATER.

G E Russell G M Evans

Ann Appl Biol 62(3):465-471

Dec 1968 442.8 AN72

Fungus diseases (plants), Peronospora farinosa, Research, Stimulants, Sugar beets, Water.

EVALUATION OF LETTUCE VARIETIES AND BREEDING LINES FOR RESISTANCE TO COMMON LETTUCE MOSAIC.

USDA Tech Bull 1391:8 P.

May 1968 1 AG840TE

Biochemistry, Breeding, Chemical control (plant diseases), Host indexing (plants), Irradiation, Mosaic (lettuce), Plant disease resistance, Seedlings, Tables (data), Virus diseases (plants).

FUNGICIDAL CONTROL OF WATERMELON DOWNY MILDEW AND ITS RELATIONSHIP TO FIRST INFECTION IN THE FIELD.

N C Schenck

Plant Dis Rep 52(12):979-981 REF

Dcc 1968 1.9 P69P

Chemical control (plant diseases), Downy mildew, Fungicides, Plant protection, Research, Spraying, Tetrachloroisophthalonitrile, Watermelons.

21156-68

STRAINS OF VERTICILLIUM WILT FUNGUS IN CALIFORNIA COTTON.

W C Schnathorst D E Mathre

Calif Agr 21(3):4-5

Mar 1967 100 C12CAG

Cotton, Fungus diseases (plants), Verticillium albo-atrum, Wilt (cotton).

A CASE OF CLOSTRIDIUM WELCHII-INDUCED ABORTION IN CATTLE. (SP

Rev Zootech Med Vet 7(18):51-54

Jun 1968 49 P943

Abortion, Animal diseases, Cattle, Clostridium welchii, Research, Toxicology. English, French, and Russian summary

CARBONYL SULPHIDE FROM THE DECOM-POSITION OF CAPTAN.

E Somers D V Richmond J A Pickard Nature 215(5097):214

08 Jul 1967 472 N21

Captan, Carbonyl sulphide, Chromatography, Decomposition, Fungicides, Research.

A SODIUM-LINKED DISEASE OF PONDEROSA PINE IN DENVER, COLORADO.

J M Staley J Altman R A Spotts

Plant Dis Rep 52(12):908-910

Dec 1968 1.9 P69P

Chlorosis (plants), Necrosis, Pinus ponderosa, Research, Sodium, Tree diseases.

INHERITANCE OF RESISTANCE IN MAIZE TO THE VIRUS OF STREAK DISEASE IN EAST AFRICA.

H H Storey A K Howland

Ann Appl Biol 59(3):429-436

Jun 1967 442.8 AN72

Corn, Genes, Immunization, Streak (corn), Virus diseases (plants).

21161-68

RESISTANCE IN MAIZE TO A THIRD EAST AFRICAN RACE OF PUCCINIA POLYSORA UNDERW.

H H Storcy A K Howland

Ann Appl Biol 60(2):297-303 Oct 1967 442.8 AN72

Breeding, Corn, Immunization, Leaves, Plant genetics, Puccinia polysora.

FRUITTREE VIRUSES INACTIVATED BY THERMOTERAPY. (DA)

A Thomsen

Tidsskr Plant 72(2):141-152 REF

1968 11 T439

Culture media, Drug therapy, Fruit, Research, Temperature, Trees, Virology, Virus diseases (plants). English summary

INCREASED SUSCEPTIBILITY OF BLACK-CURRANT BUSHES TO THE GALL-MITE VEC-TOR (PHYTOPTUS RIBIS NAL.) FOLLOWING INFECTION WITH REVERSION VIRUS.

J M Thresh

Ann Appl Biol 60(3):455-467 REF Dec 1967 442.8 AN72

Cecidophyes ribis, Currants, Eriophyidae, Plant disease control, Reversion (currants).

21164-68

THE ISOLATION AND IDENTIFICATION OF RHUBARB VIRUSES OCCURRING IN RHUBARB BRITAIN.

J A Tomlinson D G A Walkey

Ann Appl Biol 59(3):415-427 REF

Jun 1967 442.8 AN72

Aphis fabae, Chenopodium amaranticolor, Crop varieties, Immunization, Leaf roll (cherries), Mosa-

2116568

ic, Myzus persieae, Rhubarb, Serologieal tests, Virus a (strawberries).

INACTIVATION OF POTATO LEAF ROLL VIRUS IN TUBERS BY HOT WATER TREAT-MENT.

G C Upreti B B Nagaieh

Amer Potato J 45(10):373-377 REF

Oct 1968 75.8 P842

Hot water treatment (plants), Leaf roll (potatoes), Potatoes, Research, Seed germination, Virus diseases (plants). French summary

21166-68

PHOSPHORUS DEFICIENCY DECREASES STOMATAL ACTIVITY AND WATER USE OF PLANTS.

A Wallace A Deutseh

Calif Agr 22(8):15

Aug 1968 100 C12CAG

Deficiency diseases, Laboratories, Phosphorus, Research, Stomata, Temperature, Tobacco, Water.

STUDIES ON THE TRANSMISSION OF GROUNDNUT ROSETTE VIRUS BY APILIS CRACCIVORA KOCII.

M A Watson B A M Okusanya Ann Appl Biol 60(2):199-208 REF

Oct 1967 442.8 AN72

Aphis eraceivora, Culture media, Immunization, Insect vectors, Peanuts, Plant disease transmission, Rosette (peanuts), Virus diseases (plants).

21168-68

SOURCES OF INOCULUM OF THE BLACK SPOT FUNGUS, GUIGNARDIA CITRICARPA, INFECTED RHODESIAN ORCHARDS.

J O Whiteside

Rhodesia, Zambia, Malawi J Agr Res 5(2):171-177 REF

Jul 1967 24 R3472

Biological control (plant diseases), Black spot (eitrus), Citrus, Guignardia citricarpa, Plant diseases, Pruning.

21169-68

MICRO-METEOROLOGICAL STUDIES OF COFFEE BERRY DISEASE, A FIELD IN-VESTIGATION INTO THE INCIDENCE OF THE PHYSICAL CONDITIONS FAVOURABLE FOR SPORE GERMINATION.

T Woodhead

Ann Appl Biol 62(3):451-463

Dec 1968 442.8 AN72

Coffee berry disease, Colletotrichum coffeanum, Meteorology, Plant protection, Plantations, Research, Seed germination, Temperature.

ARTHROPODS

21170-68

THE VECTORS AND ALTERNATIVE HOSTS OF GROUNDNUT ROSETTE VIRUS IN CEN-TRAL PROVINCE MALAWI.

A N Adams

Rhodesia, Zambia, Malawi J Agr Res 5(2):145-151 REF

Jul 1967 24 R3472

Aphididae, Crimson elover, Host indexing (plants), Insect vectors, Peanuts, Research, Rosette, Stylosanthes, Virus diseases (plants).

21171-68

AND BIOLOGY OF TAPHRINA DEFORMANS AND THE METHOD TO CONTROL THESE PARASITES.

M D Armini

Riv Patol Veg 4(2):221-250 REF

Oct 1966 464.8 R52

Biology, Chemical control (insects), Chemicals, Inseet behavior, Parasitie inseets, Peaches, Research, Taphrina deformans, Trees. English summary

21172-68

WIIEAT BULB FLY, LEPTOMYLEMYIA COARCTATA FALL., AND ITS EFFECT ON THE GROWTH AND YIELD OF WHEAT.

R Bardner

Ann Appl Biol 61(1):1-11 REF

Feb 1968 442.8 AN72

Crop yields, Herbicides, Hylemya eoaretata, Insect pests, Larvae, Plant injuries, Plant physiology, Weather, Wheat.

21173-68

THE DETERMINATION OF IRREGULARLY-SHAPED AREAS OF LEAVES DESTROYED BY CHEWING INSECTS.

D M Benjamin G H Freeman E S Brown

Ann Appl Biol 61(1):13-17

Feb 1968 442.8 AN72

Corn, Crop yields, Insect pests, Larvae, Leaves, Plant injuries, Spodoptera exempta.

Abstract: Methods for determing leaf area are reviewed: it is concluded that the most satisfactory method for determing the irregular areas of leaves eaten by chewing insects is likely to be the dot-grid method.

21174-68

INSECTICIDE EVALUATION FOR COTTON BOLLWORM.

J H Black C E Jackson T F Leigh D Gonzalez Calif Agr 22(6):8-9

Jun 1968 100 C12CAG

Chemical control (insects), Cotton, Crop losses, Heliothis zea, Insecticides, Plant injuries, Research,

21175-68

A GUIDE TO THE USE OF PESTICIDES FOR THE CONTROL OF AGRICULTURAL AND HOUSEHOLD PESTS. 423.9 SO822.

J Bot N Hollings

125 P. REF REPUBLIC OF SOUTH AFRICA Jun 1968

Biochemistry, Chemical (pests). control pests, Pestieides, Household pests, Insect Reference materials.

THE SOYBEAN CYST NEMATODE THREAT.

S A Breth

Crops Soils 21(1):7-13, MAP

Oet 1968 6 W55

Crop yields, Cysts, Geography, Insect control, Insect migration, Nematodes, Research, Soybeans.

ALMOND STICKTIGHTS CONTRIBUTE TO NAVEL ORANGEWORM INFESTATIONS.

L E Caltagirone D W Meals K P Shea Calif Agr 22(3):2-3

Mar 1968 100 C12CAG

Almonds, Crop losses, Hibernation, Insect control, Morphology, Paramyelois transitella, Reports, Research.

INSECT DAMAGE TO SESAME...AND CONTROL POSSIBILITIES.

E C Carlson

Calif Agr 21(11):14-15

Nov 1967 100 C12CAG

Chemical control (insects), Insect pests, Plant injuries, Plant protection, Sesame.

21179-68

CONTROL OF SUNFLOWER MOTH LARVAE AND DAMAGE TO SUNFLOWER SEEDS.

E C Carlson

Calif Agr 22(7):6-8

Jul 1968 100 C12CAG

Biology, Chemical control (insects), Homoeosoma electellum, Insecticides, Larvae, Research, Seed treatment, Sunflowers.

21180-68

PHOTOCHEMICAL OXIDANT INJURY AND BEETLE (COLEOPTERA: BARK

SCOLYTIDAE) INFESTATION OF PON-DEROSA PINE. II. EFFECT OF INJURY UPON PHYSICAL PROPERTIES OF OLEORESIN, CONTENT, AND PHLOEM MOISTURE THICKNESS.

F W Cobb D L Wood R W Stark P R Miller

Hilgardia 39(6):127-134

May 1968 100 C12H

Oleoresins, Phloem, Photochemistry, Pinus ponderosa, Plant injuries, Scolytidae, Water.

THE VALUE OF A FLUORESCENT TRACER IN DETERMINING THE QUANTITY OF DIEL-DRIN ON HONEYBEES FORAGING IN A SPRAYED CROP.

B A Cooper P H Needham J H Stevenson

J Apicult Res 7(1):47-50

1968 424.8 J82

Apis mellifera, Chromatography, Dieldrin, Fluorescent dyes, Lethal factor, Plants, Research, Spraying.

21182-68

INSECTICIDAL TRIALS AGAINST JOWAR PESTS

S K Dorge V P Dalaya M V Gaikwar Plant Protect Bull 19(1):15-20

1967 421 P69

Durra, Insect pests, Insecticides, Plant protection, Research.

21183.68

INOCULATION METHODS WITH THE ROOT LESION NEMATODE **PRATYLENCHUS** BRACHURUS AND SYMPTOM EXPRESSION ON TOBACCO.

T W Graham Z T Ford

Tobacco 166(5):25

02 Feb 1968 286.89 T552

Breeding, Extracts, Greenhouse culture, Injections, Pratylenehus brachyurus, Research, Roots, Tobac-

21184-68

EFFECT OF IONIZING RADIATION ON DACUS ZONATUS FRUIT FLY EGGS AND LARVAE IN SITU.

H Haque Ch R Ahmad

Pakistan J Sci 19(5-6):233-238

Nov 1967 475 P172

Daeus, Eggs, Guavas, Insect physiology, Ionization, Larvae.

21185-68

INSECT CONTROL ON CUCUMBERS, MELONS, SQUASH AND PUMPKINS.

E D Jr. Harris

Ga Univ Coll Agr Ext Serv Circ 566:7P.

Jul 1968 275.29 G290C

Cueumbers, Insect control, Insecticides, Melons, Plant protection, Pumpkins, Squash.

21186-68

TWO-SPOTTED MITE CONTROL IN WAL-NUTS.

L C Hendricks Jr C S Davis W C Batiste

Calif Agr 22(6):2-13

Jun 1968 100 C12CAG

Chemicals, Oils, Plant injuries, Research, Tetranychus urticae, Walnuts.

SEASONAL POPULATION TRENDS OF PESTS AND PREDATORS UNDER PESTICIDE TREAT-MENTS IN APPLE ORCHARDS WITH RELEASE OF SOME PREDATORS.

S Hukusima

Gifu Univ Fac Agr Res Bull (24):91-113 REF 1967 107.6 G364

Apples, Biochemistry, Biological control (insects), Chemical control (pests), Climate, Insect pests, Pesticides, Population, Temperature. Japanese 21188-68

STUDIES OF THE INSECT COMPLEX AF-FECTING SEED PRODUCTION OF PON-DEROSA PINE IN CALIFORNIA. SB608.P65K6.

T W Koerber 86P. MAP REF

Sep 1967

Entomology, Pinus ponderosa, Plant physiology, Reproduction, Research, Seeds.

SELECTIVE NITROGEN ASSIMILATION BY PORIA WEIRIL

CY Li K C Lu J M Trappe W B Bollen

Nature 213(5078):814 REF

25 Feb 1967 472 N21

Biological control (pcsts), Culture media, Enzymcs, Nitrogen, Plant extracts, Plant injuries, Poria weirii, Research, Roots, Soils.

MORPHOLOGICAL CHANGES PARASITIC NEMATODE DUE TO ACQUIRED RESISTANCE OF THE HOST.

J F Michel

Nature 215(5100):520-521

29 Jul 1967 472 N21

Cattle, Culture mcdia, Morphology, Mortality, Nematodes, Ostertagia ostertagi, Parasitic insects,

RICE WATER WEEVIL INCREASE NOTED IN CALIFORNIA.

D S Mikclsen

Rice J 71:15

Oct 1968 59.8 R36

Insect control, Lissorhoptrus oryzophilus, Reports, Rice, Seed treatment.

21192-68

SYNTHESIS OF A PLANT HORMONE BY THE SALIVARY APPARATUS OF PLANT-SUCKING HEMIPTERA.

P W Miles J Lloyd

Nature 213(5078):801-802

25 Feb 1967 472 N21

Crown galls, Culture media, Elasmolomus sordidus, Eumecopus punctiventris, Hemiptera, In-doleacetic acid, Insect vectors, Plant hormones, Salivary glands (insects).

21193-68

PHOTOCHEMICAL OXIDANT INJURY AND BEETLE (COLEOPTERA: BEEILE (COLEOPTERA: SCOLYTIDAE) INFESTATION OF PONDEROSA PINE. III. EFFECT OF INJURY ON OLEORESIN COMPOSITION, PHLOEM CARBOHYDRATES, AND PHLOEM PH. BARK

PR Miller FW Jr. Cobb E Zavarin

Hilgardia 39(6):135-140

May 1968 100 C12H

Carbohydrates, Hydrogen-ion concentration, Oleoresins, Phloem, Photochemistry, Pinus ponderosa, Plant injuries, Scolytidae.

BENT GRASS: A GOLDEN OPPORTUNITY TO DO AWAY WITH A PEST.

B Muir

J Agr 66(PT 2):271-275

Aug 1968 23 V660J

Agrostis, Fertilizers, Insect pests, Pest control, Plant injurics, Soil structure, Tillage.

21195-68

CONTROL OF STRAWBERRY MITE (CYCLAMEN MITE) STENEOTARSONEMUS PALLIDUS (BANKS 1901). 5TH CONTRIBU-TION. (GE)

W K Muller

Nachrichtenbl Deut Pflanzenschutzdienstes

20(5):73-75 REF

May 1968 442.9 B832

Acaricides, Chemical control (pests), Endosulfan, Organic compounds, Pesticides, Phosphorus, Spraying, Steneotarsonemus pallidus, Strawberries, Tables (data), Tarsonemidae. English summary

21196-68

NEW SPIDER MITE POSES THREAT TO CALIFORNIA'S SOLANACEOUS CROPS. E R Oatman C A Fleschner J A McMurtry

Calif Agr 21(10):10-12

Oct 1967 100 C12CAG

Eggplant, Insect pests, Plant protection, Potatoes, Solanum nigrum, Tetranychidae, Tomatoes.

HELIOTHIS ARMIGERA (HIUBNER), AMERICAN BOLLWORM, ON WHEAT IN WEST KILIMANJARO, TANZANIA.

R H Parish R A Makusi

Arusha Trop Pesticides Res Inst Misc Rep 589:11

Nov 1966 423.92 G7922

Heliothis armigera, Insect pests, Plant injuries, Population, Seedlings, Tables (data), Wheat.

DESIGN AND EVALUATION OF EQUIPMENT FOR BASAL APPLICATION OF SYSTEMIC IN-SECTICIDES TO CONTROL COTTON PLANTS. B G Reeves L H Wilkes R L Ridgway D A

Lindquist

Amer Soc Agr Eng Trans Asae 10(2):179-181

1967 290.9 AM32T

Chemical control (insects), Cotton, Equipment, In-Laboratories, Lygus secticides. hesperus. Research, Spraying.

A PROGRESS REPORT...OLIVE YIELD DECLINE STUDY IN TEHAMA COUNTY.

W R Schreader A D Rizzi

Calif Agr 21(3):8-9

Mar 1967 100 C12CAG

Crop yields, Insect pests, Mites, Olives, Research.

ORGANIC INSECTICIDES AND SOME RECENT TRENDS IN PEST CONTROL.

S Singh

Plant Protect Bull 19(1):6-14

1967 421 P69

Chemical control (insects), Insect pests, Insecticides, Organic compounds, Plant protection.

EFFECTS OF OIL SPRAYS FOR CON-TROLLING PACIFIC MITE ON GRAPEVINES. E M Stafford J E Dibble C D Lynn W B Hewitt Calif Agr 22(5):2-3

May 1968 100 C12CAG

Grape vineyards, Mites, Oils, Plant diseases, Plant injuries, Research, Spraying.

CONTROL OF APHIDS ON BARLEY. ECONOMIC TREATMENT LEVELS. ANALYSIS OF YIELD INCREASES.

V M Stern W R Bowen Calif Agr 21(3):14-15

Mar 1967 100 C12CAG

Aphididae, Barley, Crop yields, Economics, Inscct control, Insect pests.

ON THE LETHAL EFFECTS OF METHYL BRO-MIDE TO BROAD BEAN WEEVIL (BRUCHUS RUFIMANUS BOHEMAN). SB608.0B30Y63.

S Yoshimura 8 P.

1968

Bruchus rufimanus, Dosagc, Fumigation, Insect pests, Lethal factor, Methyl bromide, Seedlings, Storage.

21204-68

STUDIES ON THE SYNERGETIC EFFECT OF CERTAIN ORGANOPHOSPHORUS INSECTI-

M M Zaki M A El-Gahr S H Mitry An Agr Sci 9(2):65-78

Dcc 1964 24 AN72

Azinphosmethyl, Cotton, Fonthion, Insceticides, Organic compounds, Phosphorus, Prodenia litura, Tables (data), Trichlorfon. Arabic summary

NEMATODES

21205-68

SOME EFFECTS OF THE NEMATODES DITYLENCHUS MYCELIOPHAGUS AND APHELENCHOIDES COMPOSTICOLA ON THE YIELD OF THE CULTIVATED MUSHROOM. N P Arrold C D Blake

Ann Appl Biol 61(1):161-166

Feb 1968 442.8 AN72

Ditylenchus, Aphelenchoides, Injections, Mushrooms, Nematodes, Reproduction.

A COMPARISON OF CEREAL ROOT EEL-WORM RESISTANT AND SUSCEPTIBLE SPRING BARLEY GENOTYPES AT TWO

J Cotten

Ann Appl Biol 59(3):407-413

Jun 1967 442.8 AN72

Barley, Genotypes, Heterodera avenae, Nematodes, Pratylenchus.

21207-68

PRODUCTION OF ETHANOL CINATE BY MONILIFORMI AND SUC-MONILIFORMIS DUBIUS (ACANTHOCEPHALA).

DWT Crompton PFV Ward

Nature 215(5104):964-965

26 Aug 1967 472 N21

Biochemistry, Chromatography, Ethyl alcohol, Excreta, Moniliformis dubius, Parasitism, Periplaneta americana, Rats, Succinates.

RESISTANCE TO THE POTATO CYST-NE-MATODE, HETERODERA ROSTOCHIENSIS, IN THE PLANT GENUS LYCOPERSICON.

P R Ellis

Ann Appl Biol 61(1):151-160 REF

Feb 1968 442.8 AN72

Heterodera rostochiensis, Injections, Lycopersicon, Nematodes, Plant nematode resistance, Potatoes, Solanum, Tomatoes.

SUSCEPTIBILITY OF EIGHTEEN POTATO VARIETIES TO MELOIDOGYNE HAPLA.

G D Griffin G L Stoker

Plant Dis Rep 52(12):956

Dec 1968 1.9 P69P

Chemical control (nematodes), Crop losses, Immunity, Meloidogyne hapla, Plant protection, Potatoes, Research.

21210-68

ON THE LOCOMOTIVE BEHAVIOR OF PANAGRELLUS REDIVIVUS (NEMATODA).

L Helbig

Pedobiologia 8(1):75-79

1968 56.8 P343

Locomotion, Nematoda. English and German summaries

COCCIDIOSIS SUSCEPTIBILITY IN LAYER FLOCK REPLACEMENT PROGRAMS.

W M Reid H E Womack J Johnson Poultry Sci 47(3):892-899 REF

May 1968 47.8 AM33P Chickens, Coccidiosis, Livestock diseases. Parasitism.

NONLIVING NEMATODE VACCINES. PATENT 3.395.218.

P H Silverman

Us Patent Office Offic Gaz 852(5):1247

30 Jul 1968 156.65 OF2

Animal diseases, Antibiotics, Larvae, Lyophilization, Nematocides, Nematodes, Vaccines.

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21213-68

21213-68

FREQUENCY OF OCCURRENCE OF FREE LIVING NEMATODES IN DANISH NURSERIES, TULIP, NARCISSUS AND VEGETABLE FIELDS, AND THE EFFECT OF SOME SOIL DISINFESTANTS ON THE NEMATODE POPULATION IN THE SOIL OF SOME NURSERY CROPS.

E Sonderhousen R Christensen S Rasmussen Tidsskr Plant 72(2):245-270

1968 11 T439

Antiseptics, Crops, Narcissus, Nematodes, Nurseries, Research, Soils, Tulipa, Vegetables. English summary

21214-68

NEMATODE DAMAGE IN CEREALS. (GE.)

B Weischer

Nachrichtenbl Deut Pflanzenschutzdienstes 20(6):83-88 REF

Jun 1968 442.9 B832

Crop losses, Ditylenehus dipsaci, Grain, Heterodera avenae, Nematodes, Plant injuries, Plant physiology, Pratylenehus. English summary

WEEDS

21215-68

PRE-EMERGENCE HERBICIDES FOR WEED CONTROL IN LETTUCE.

H Agamalian A Lange J Lyons E Stilwell H Ford H Kempen O McCoy F Robinson

Calif Agr 21(10):8-9 Oct 1967 100 C12CAG

Chemical control (weeds), Herbicides, Lettuce, Weeds.

21216-68

COMMON NAMES OF HERBICIDES.

Anonymous

PANS (Pest Art News Sum) Sect C Weed Contr 14(2):210-213

Jun 1968 79.9 G792

Chemical control (weeds), Herbicides, Indexing, Nomenclature.

21217-68

A CODE FOR CHARACTERISING HERBICIDES.

F Beran J Neururer

PANS (Pest Art News Sum) Sect C Weed Contr 14(2):118

Jun 1968 79.9 G792

Biochemistry, Chemical control (weeds), Climate, Herbicides, Indexing, Soil series. The code was taken from Zcitschrift fur Pflanzenkrankheiten und Planzenschutz, vol. 74, no. 5, 1967, pp. 317-331.

21218-68

SICKLEPOD-SUCCESS STORY OF A WEED.

J M Crcel C S Hoveland G A Buchanan

Highlights 15(4):3

1968 100 AL1H

Cassia obtusifolia, Crop losses, Culture media, Research, Seed germination, Temperature, Weed control.

21219-68

WEED CONTROL ON FENLAND SOIL.

J Holroyd

Great Brit Min Agr Fish Food Agr 75(7):336-342 Jul 1968 10 G79J

Biological assay, Chemical control (weeds), Herbicides, Physiology, Research, Soils, Weed control.

21220-68

IOXYNIL: ITS EFFECT ON WHEAT YIELD AND WEED POPULATIONS.

J W Joostc

S Afr J Agr Sci 11(1):17-26 REF

Mar 1968 24 SU3

Biochemistry, Chemical control (weeds), Crop yields, Herbicides, Ioxynil, Mecoprop, Methyl-4-chlorophenoxyacetic acid, 2-, Population, Spraying, Weed control, Wheat, 2,4-d. French and German summary.

21221-68

WEED CONTROL IN CARROTS, CELERY, AND PARSLEY.

H Kempen M Agamalian A Lange R Brendler Calif Agr 22(4):2-3

Apr 1968 100 C12CAG

Carrots, Celery, Crop yields, Herbicides, Parsley, Research, Surveys, Weed control.

21222-68

WEED CONTROL IN CUCURBITS.

A Lange D May B Fischer V Sehweers

Calif Agr 22(3):8-9

Mar 1968 100 C12CAG

Chemical control (weeds), Cucumbers, Cucurbits, Herbicides, Research, Surveys, Weed control.

21223-68

HERBICIDES FOR CONTROL OF ANNUAL WEEDS IN CALIFORNIA APPLES AND PEARS.

A H Lange C L Elmore G W Morehead E K Stilwell S M McRitchie 6 D W Chaney J J Smith L C Hendricks K O Roberts

Calif Agr 21(3):10-12

Mar 1967 100 C12CAG

Annual plants, Apples, Herbicides, Weed control, Weeds.

21224-68

WEEDS IN CALIFORNIA FRUIT CROPS... A SUMMARY OF PROBLEMS AND HERBICIDE POSSIBILITIES.

A H Lange

Calif Agr 22(2):8-10

Feb 1968 100 C12CAG

Crops, Fruit, Herbicides, Research, Surveys, Weed control, Weeds.

21225-68

THE GARDEN OF EDEN CONCEPT: AGRICULTURE IN A WEED-FREE ENVIRONMENT.

E C S Little

PANS (Pest Art News Sum) Sect C Weed Contr 14(2):107-109

Jun 1968 79.9 G792

Agricultural outlook, Environment, Greenhouse culture, Reproduction, Seedlings, Tillage, Weed control, Weeds.

21226-68

TOLOGY - THE SCIENCE OF WEED RESEARCH AND CONTROL, II.

E C S Little

PANS (Pest Art News Sum) Sect C Weed Contr 14(2):116-117

Jun 1968 79.9 G792

Legislation, Nomenclature, Research, Weed control, Weeds.

21227-68

OKRA PRODUCTION.

J A Martin W P Cook

Clemson Univ Ext Serv Circ 510:8P.

Aug 1968 275.29 SO80E

Chemicals, Crop yields, Fertilizers, Harvesting, Insect control, Irrigation, Okra, Planting, Research, Soils, Tillage, Weed control.

21228-68

CRITICAL PERIODS OF THE CROP GROWTH CYCLE FOR COMPETITION FROM WEEDS.

J H Nicto M A Brondo J T Gonzalez

PANS (Pest Art News Sum) Sect C Weed Contr 14(2):159-166

Jun 1968 79.9 G792

Biochemistry, Chemical control (weeds), Competition, Crop losses, Crops, Herbicides, Plant physiology, Research, Weeds.

21229-68

SOME ULTRASTRUCTURAL FEATURES OF THE INTESTINAL EPITHELIUM OF ASCARIS LUMBRICOIDES VAR. SUUM. (IT)

L Pennisi

Riv Parassitol 28(4):283-289 REF Dec 1967 436.8 R52 Anatomy, Ascaris lumbricoides suum, Cells, Electron microscopy, Epithelium, Intestines, Nematodes, Physiology. English summary

21230-68

EFFECTS OF COVERING MATERIALS AND INCORPORATED HERBICIDES ON LETTUCE STANDS UNDER THREE IRRIGATION TREATMENTS.

D Ririe H Agamalian L J Booher C Brooks

Calif Agr 22(2):13-15

Feb 1968 100 C12CAG

Chemicals, Crop yields, Herbicides, Irrigation, Lettuce, Research, Weed control.

21231-68

METHOD OF CONTROLLING THE GROWTH OF UNDESIRABLE VEGETATION. PATENT 3,413,109.

J F Vartiak

Us Patent Office Offic Gaz 856(4):1189

26 Nov 1968 156.65 OF2

Biochemistry, Chemical control (weeds), Herbicides, Methodology, Oils, Patents, Plant physiology, Spraying, Vegetation.

OTHER PESTS

21232-68

BILIARY EXCRETION OF AFLATOXIN IN THE RAT AFTER A SINGLE DOSE.

O Bassir F Osiyemi

Nature 215(5103):882

19 Aug 1967 472 N21

Aflatoxin, Aspergillus flavus, Biliary tract, Extracts, Glucuronides, Radioactivity, Rats, Research, Sampling (statistics), Urine.

21233-68

ARMYWORMS, WHEN TO SPRAY - AND WHEN NOT TO.

J Falter

Crops Soils 20(8):14

Jun 1968 6 W55
Pesticide application, Plant injuries, Plant protection, Pseudaletia unipuncta, Spraying, Time.

21234-68

HERITABLE RESISTANCE TO WARFARIN IN RATS.

J H Greaves P Ayres

Nature 215(5103):877-878

19 Aug 1967 472 N21

Blood analysis, Injections, Lahoratories, Mortality, Pest control, Rattus norvegicus, Tables (data), Warfarin.

21235-68

SEPARATION OF RODENT PELLETS FROM CORN KERNELS BY WASHING.

R W Sucher H B Pfost

Amer Soc Agr Eng Trans Asae 10(2):233-235 1967 290.9 AM32T

Corn, Equipment, Food processing, Lahoratories, Research, Rodents, Storage.

LIVESTOCK PROTECTION

21236-68

EFFECTS OF HIGH GOSSYPOL COTTONSEED MEAL ON THE ELECTROCARDIOGRAM OF SWINE.

J E Albrecht A J Clawson L C Ulberg F H Smith J Anim Sci 27(4):976-980 REF

Jul 1968 49 J82

Cottonsecd meal, Electrocardiograms, Gossypol, Heart rate, Liver, Research, Swine, Tissues, Toxicology.

21237-6

STRONTIUM RETENTION AS A FUNCTION OF AGE IN DOG.

J J B Anderson C L Comar

Radiat Res 34(1):153-169 REF

Apr 1968 334.8 R11

Aging, Animal physiology, Autoradiography, Biochemistry, Bones, Dogs, Research, Strontium.

EFFECT OF FURAZOLIDONE TO SWINE AT BREEDING. (ABSTRACT).

M D Anderson

J Anim Sci 27(4):1131

Jul 1968 49 J82

Animal physiology, Biochemistry, Brceding, Feeding, Furazolidone, Reproduction, Rescarch, Swine. Abstract for presentation at 60th annual meeting of

21239-68

RUMEN TISSUE UPTAKE OF ZINC-65. (AB-STRACT).

S P Arora E E Hatfield U S Garrigus T G Lohman B B Doanc

J Anim Sci 27(4):1160

Jul 1968 49 J82

Adsorption, Biochemistry, Diet, Lambs, Research, Rumen, Tissues, Zinc isotopes. Abstract presented at 60th annual meeting of A.S.A.S.

DEVELOPMENT OF GOATS IRRADIATED FROM CONCEPTION. (ABSTRACT).

J W Austin E W Hupp G M Krise J Anim Sci 27(4):1187-1188

Jul 1968 49 J82

Animal physiology, Breeding, Dosage, Goats, Irradiation, Reproduction. Abstract presented at 60th annual meeting of A.S.A.S.

21241-68

A COMPARISON OF THE ABILITY OF THE JAPANESE QUAIL AND LIGHT BREED CHICKEN TO METABOLIZE AND UTILIZE ENERGY.

J J Begin

Poultry Sci 47(4):1278-1281

Jul 1968 47.8 AM33P

Animal physiology, Breeding, Chickens, Diet, Energy, Metabolism, Quail, Research.

ENTEROHEPATIC CIRCULATION OF 3H-VITAMIN A METABOLITES IN SHEEP. (AB-STRACT).

J A Boling G E Mitchell C O Little C L Fields

J Anim Sci 27(4):1961

Jul 1968 49 J82

Bile ducts, Intestines, Metabolites, Radioactivity, Research, Sheep, Vitamin a. Abstract presented at 60th annual meeting of A.S.A.S.

DRUG RESIDUES IN LAMB CARCASSES FED POULTRY LITTER. (ABSTRACT).

H H Brugman H C Dickey B E Plummer J Goater R N Heitman

J Anim Sci 27(4):1132

Jul 1968 49 J82

Animal physiology, Biochemistry, Drug therapy, Feed, Lambs, Poultry. Abstract for presentation at 60th annual meeting of the A.S.A.S.

VITAMIN E AND SELENIUM IN EWE REPRODUCTION. (ABSTRACT).

J G Buchanan-Smith B I Osburn J E Smith E C Nelson

J Anim Sci 27(4):1176-1177

Jul 1968 49 J82

Animal histology, Animal physiology, Biochemistry, Diet, Reproduction, Research, Selenium, Sheep, Vitamin e. Abstract presented at 60th annual meeting of A.S.A.S.

FATTY ACID CHANGES IN LIVER FRACTIONS OF PIGEONS AFTER LETHAL-DOSE RADIATION AND THERAPY.

R A Chung E S So D H Shaw Poultry Sci 47(4):1127-1130 Jul 1968 47.8 AM33P

Animal physiology, Fatty acids, Lethal factor, Liver, Pigeons, Radiation, Therapeutics.

IN VITRO AGGLUTINATION OF BOVINE ERYTHROCYTES INFECTED WITH BABESIA

J A Curnow

Nature 217(5125):267-268

20 Jan 1968 472 N21

Agglutination test, Antigens, Babesia argentina, Blood serum, Calves, Culture media, Erythrocytes, Immunity, Physiology, Plasmodium knowlesi.

EFFECT OF PYRIDOXINE DEFICIENCY ON LIPID METABOLISM IN THE CHICK.

N J Daghir J M Porooshani

Poultry Sci 47(4):1094-1098 REF

Jul 1968 47.8 AM33P

Animal nutrition, Animal physiology, Chicks, Lipids, Metabolism, Research, Vitamin b6.

INSECTICIDE APPLICATIONS AND THEIR EF-FECT ON WILDLIFE.

A Dc Uos

Entomol Soc Ontario Proc 91:35-36

1960 420 ON8

Insecticide residues, Poisoning, Toxicology, Wildlife.

21249-68

CHROMIUM-51 IN FOOD METABOLIZABILI-TY AND PASSAGE RATE STUDIES WITH THE RING-NECKED PHEASANT.

G E Duke G A Petrides R K Ringer Poultry Sci 47(4):1356-1364 REF

Jul 1968 47.8 AM33P

Animal nutrition, Chromium isotopes, Dosage, Drug therapy, Food, Metabolism, Pheasants, Research.

MASTITIS TESTING...A SIX-YEAR SUMMARY OF FRESNO COUNTY'S DHIA PROGRAM.

R N Eide

Calif Agr 22(6):4

Jun 1968 100 C12CAG

Agricultural outlook, Agricultural policies, Cattle, Management, Mastitis, Research.

21251-68

OBSERVATIONS ON THE DEVELOPMENT OF RUMINAL LESIONS IN CALVES FED ON BAR-LEY.

B F Fell M Kay F G Whitelaw R Boyne

Res Vet Sci 9(5):458-466

Sep 1968 41.8 R312

Barley, Calves, Diet, Feeding, Inflammation, Microscopy, Research, Rumen.

PHYSIOLOGICAL EFFECTS OF FEEDING HIGH LEVELS OF ANTIBIOTICS AND VITAMINS TO TURKEYS.

T M Ferguson E B Smith J R Couch

Poultry Sci 47(3):1032-1033

May 1968 47.8 AM33P

Animal nutrition, Antibiotics, Feed, Physiology, Turkeys, Vitamins.

EFFECT OF DIFFERENT NITROGEN SOURCES AND ANTIBIOTICS IN ALL-CON-FINISHING RATIONS. (AB-STRACT).

D Furr K R Hansen J A Carpenter L B Shcrrod J Anim Sci 27(4):1110

Jul 1968 49 J82

Antibiotics, Biochemistry, Cattle, Cottonseed meal, Nitrogen compounds, Research, Sorghum, Urea. Abstract presented at meeting of A.S.A.S., July 7-9, 1968, moscow, Idaho.

DIFFERENT LEVELS OF DIETHYLSTIL-BESTROL AND CERTAIN MINERALS FOR

CATTLE FED AN ALL-CONCENTRATE FINISHING RATIO. (ABSTRACT).

R D Furr K R Hansen J A Carpenter

J Anim Sci 27(4):1111

Jul 1968 49 J82

Animal physiology, Biochemistry, Cattle, Diethylstilbestrol, Feeding, Minerals, Research. Abstract presented at meeting of A.S.A.S., July 7-9, 1968, moscow. Idaho.

21255-68

THE COMPARATIVE HISTOCHEMISTRY OF SOME HYDROLYTIC AND OXIDATIVE ENZYMES IN THE LIVERS OF SEVERAL DOMESTIC AND LABORATORY ANIMALS.

C Gopinath E Thorpe

Res Vet Sci 9(5):435-442 REF

Sep 1968 41.8 R312

Enzymes, Histochemistry, Hydrolysis, Laboratories, Liver, Livestock, Oxides, Research, Tissues.

METHIONINE EXCESS AND CHICK GROWTH.

P Griminger H Fisher

Poultry Sci 47(4):1271-1273

Jul 1968 47.8 AM33P

Animal nutrition, Animal physiology, Biochemistry, Chicks, Drug therapy, Methionine, Toxicology.

THE APPLICATION OF AN ANTIFERTILITY AGENT IN THE CONTROL OF A WHITE-TAILED DEER POPULATION.

J D Harder

Ohio Coop Wildlife Res Unit Quart Rep 1968 REPORT:11-14

Jul 1968 412.9 OH33

Animal nutrition, Breeding, Deer, Diethylstilbestrol, Feeding, Fertility, Reproduction, Research

21258-68

FACTORS CONTRIBUTING TO OVINE PHOSPHATIC UROLITHIASIS. (ABSTRACT).

D W Hoar R J Emerick L B Embry

J Anim Sci 27(4):1165

Jul 1968 49 J82

Biochemistry, Diet, Dosage, Phosphorus, Research, Sheep, Urolithiasis. Abstract presented at 60th annual meeting of A.S.A.S.

2,2-DICHLOROVINYL PHOSPHATE AND RUMEN VFA AND GAS PRODUCTION. (ABSTRACT).

A D Howes 1 A Dyer J Anim Sci 27(4):1116

Jul 1968 49 J82

Animal physiology, Biochemistry, Culture media, Dichlorvos, Fatty acids, Fermentation, Gases, Rumen. Abstract presented at meeting of A.S.A.S., July 7-9, 1968, moscow, Idaho.

21260-68

UTILIZATION OF UNEXTRACTED SOYBEANS BY BROILER CHICKS. 2. INFLUENCE OF PEL-LETING AND REGRINDING ON DIETS WITH INFRA RED COOKED AND EXTRUDED SOYBEANS.

S J Hull P W Waldroup E L Stephenson

Poultry Sci 47(4):1115-1120

Jul 1968 47.8 AM33P

Animal nutrition, Chicks, Diet, Feed, Rescarch, Soybeans.

EFFECTS OF FOREST SPRAYING WITH DDT ON AQUATIC INSECTS, FOOD OF SALMON AND TROUT, IN NEW BRUNSWICK.

F P Ide Entomol Soc Ontario Proc 91:39-40 1960 420 ON8

Animal ccology, Aquatic insects, Chemical control (insects), DDT, Forests, Insecticide residues, Spraying, Starvation.

LIVESTOCK PROTECTION

21262-68

21262-68

COMPARISON OF METABOLITES OF PROGESTERONE-414C IN URINE FROM A NONPREGNANT DOMESTIC SOW.

P H Jones R E Erb

J Anim Sci 27(4):1049-1053 REF

Jul 1968 49 J82

Animal physiology, Biochemistry, Carbon isotopes, Metabolites, Progesterone, Radioactivity, Research, Swine, Urine.

21263-68

GROWTH AND PROTEINASE PRODUCTION IN PSEUDOMONAS SPP. CULTIVATED UNDER VARIOUS CONDITIONS OF TEMPERATURE AND NUTRITION.

H S Juffs A C Hayward H W Doelle

J Dairy Res 35(3):385-393

Oct 1968 44.8 J823

Culture media, Extracellular substances, Physiology, Proteinases, Pseudomonas aeruginosa, Research, Temperature.

21264-68

SOME PROPERTIES OF THE EXTRACELLU-LAR PROTEOLYTIC ENZYMES OF THE MILK-SPOILING ORGANISM PSEUDOMONAS AERUGINOSA ATCC 10145.

H S Juffs H W Doelle

J Dairy Res 35(3):395-398

Oct 1968 44.8 J823

Enzymes, Extracellular substances, Heat, Milk analysis, Pseudomonas aeruginosa, Research.

21265-68

THE EFFECT OF LIGHT AND TEMPERATURE ON THE TESTICULAR GROWTH OF THE JAPANESE QUAIL.

M Kato T Konishi

Poultry Sci 47(4):1052-1056 REF

Jul 1968 47.8 AM33P

Animal physiology, Light, Quail, Research, Temperature, Testes.

21266-68

EFFECT OF DIETARY ASCORBIC ACID ON VITAMIN A DEFICIENCY IN CHICKS.

J Kendler M Perek

Poultry Sci 47(4):1176-1179 REF

Jul 1968 47.8 AM33P

Animal nutrition, Ascorbic acid, Chicks, Deficiency diseases, Diet, Drug therapy, Research, Vitamin a.

21267-68

PROTEIN POLYMORPHISM IN BIRDS. III. THE EGG WHITE PROTEINS OF FIVE FAMILIES OF BIRDS, PHASINIADAE, NUMIDIDAE, MELEAGRIDIDAE, ANATIDAE AND COLUMBIDAE, (JA)

M Kimura N Makita

Gifu Univ Fac Agr Res Bull (24):258-270 REF 1967 107.6 G364

Birds, Egg whites, Electrophoresis, Polymorphism, Proteins. English summary

21268-68

FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. DISODIUM EDTA.

J K Kirk

Fed Regist 33(217):16272

06 Nov 1968 L1.451

Animals, Biochemistry, Ethylenediaminetetraacetic acid, Feed, Food additives, Micronutrients, Water.

21269-6

FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. ZOALENE.

J K Kirk

Fed Regist 33(217):16272-16273

06 Nov 1968 L1.451

Arsanilic acid, Chickens, Drug therapy, Feed, Food additives, Water, Zoalene.

21270-68

NOTICE OF FILING OF PETITIONS FOR FOOD ADDITIVES AMPROLIUM, ETHOPABATE, ARSANILIC ACID, 3-NITRO-4-HYDROXYPHENYLARSONIC ACID.

J K Kirk

Fed Regist 33(220):16478

09 Nov 1968 L1.451

Amprolium, Arsanilic acid, Biochemistry, Chickens, Coccidiosis, Ethopabate, Feed, Food additives, Nitro-4-hydroxyphenylarsonic acid, 3-, Preventive medicine.

21271-68

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.

J K Kirk

Fed Regist 33(220):16478

09 Nov 1968 L1.451

Biochemistry, Diethylstilbestrol, Feed, Food additives, Methyl testosterone, Swine, Tylosin.

21272-68

NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVE OXYTETRACYCLINE.

1 K Kirk

Fed Regist 33(223,PT.1 AND 2):16682

15 Nov 1968 L1.451

Baby pigs, Biochemistry, Cattle, Food additives, Livestock diseases, Oxytetracycline.

21273-68

EFFECT OF ZINC DEFIENCY ON BONE MINERALIZATION AND PLASMA PROTEINS OF TURKEY POULTS.

F H Kratzer

Poultry Sci 47(4):1135-1140 REF

Jul 1968 47.8 AM33P

Animal nutrition, Animal physiology, Bones, Mineralization (nutrients), Proteins, Turkeys, Zinc.

21274-68

SAFFLOWER MEAL- UTILIZATION AS A PROTEIN SOURCE FOR BROILER RATIONS. D D Kuzmicky G O Kohler

Poultry Sci 47(4):1266-1270 REF

Jul 1968 47.8 AM33P

Animal nutrition, Animal physiology, Chickens, Feed, Proteins, Research, Safflower.

21275-68

INJURY ACCUMULATION AND RECOVERY IN SHEEP DURING PROTRACTED GAMMA IRRADIATION.

G F Leong N P Page E J Ainsworth G E Hanks Radiat Res 7:288-293

07 Sep 1965 334.8 R11

Gamma rays, Injuries, Irradiation, Research, Sheep.

21276-68

EXOGENOUS PROGESTERONE ON OVINE CORPORA LUTEA. (ABSTRACT).

P E Lewis W C Taylor E K Inskeep J Anim Sci 27(4):1193

Jul 1968 49 J82

Animal physiology, Corpus luteum, Estrus, Progesterone, Sheep. Abstract presented at 60th annual meeting of A.S.A.S.

21277-68

ORGANIC ACIDS AND GRASS TETANY. (FR.)
F. Lomba, G. Chauvaux, V. Rienfet

F Lomba G Chauvaux V Bienlet

Ann Med Vet 112(4):261-274 REF

Jun 1968 41.8 AN78

Acids, Animal diseases, Calcium, Citric acid, Grass tetany, Magnesium, Organic compounds, Oxalic acid, Rabbits. English and German summary.

21278-68

2,2-DICHLOROVINYL DIMETHYL PHOSPHATE AND BOVINE BLOOD GLUCOSE. (ABSTRACT).

F R Morris 1 A Dyer J Anim Sci 27(4):1116-1117

Jul 1968 49 J82

Biochemistry, Blood, Cattle, Dichlorvos, Feeding, Glucose, Research. Abstract presented at meeting of A.S.A.S., July 7-9, 1968, moscow, Idaho.

21279-68

THE PHARMACOLOGICAL EFFECT OF BAYMIX (COUMAPHOS) ON POULTRY.

D L Nelson J O Mozier R G White A D Allen Poultry Sci 47(3):960-962

Poultry Sci 47(3):960-96 May 1968 47.8 AM33P

Biochemistry, Coumaphos, Insecticides, Pharmacology, Physiology, Poultry.

21280-68

OHIO COOPERATIVE WILDLIFE RESEARCH UNIT. QUARTERLY REPORT, JULY-SEPT. 1968.

Ohio Coop Wildlife Res Unit Quart Rep 42 P. Jul 1968 412.9 OH33

Chemicals, Reports, Research, Wildlife conserva-

21281-68

LOCAL IMMUNITY IN THE MAMMARY GLAND FOLLOWING THE INFUSION OF A STAPHYLOCOCCAL CELL-TOXOID VAC-CINE.

P M Outteridge R C Williams A K Lascelles

Res Vet Sci 9(5):416-423

Sep 1968 41.8 R312

Agglutination, Bacteria, Immunity, Inflammation, Laboratories, Mammary glands, Research, Staphylococcus.

21282-68

INFLUENCE OF ALDOSTERONE ON PSE PORK MUSCLE. (ABSTRACT).

F L Passbach A M Mullins V K Wipf

J Anim Sci 27(4):1145

Jul 1968 49 J82 Aldosterone, Animal physiology, Biochemistry, Metabolism, Minerals, Muscles, Research, Swine. Abstract presented at 60th annual meeting of A.S.A.S.

1283-68

MODIFICATION OF A STRAIN OF MOUSE-ADAPTED SCRAPIE BY PASSAGE THROUGH RATS.

1 H Pattison K M Jones

Res Vet Sci 9(5):408-410 Sep 1968 41.8 R312

Extracellular substances, Histology, Injections, Laboratories, Mice, Rats, Research, Scrapie virus.

21284-68

ENZYME SOURCES AND THEIR VALUE IN BARLEY RATIONS FOR CHICK GROWTH AND EGG PRODUCTION.

C F Petersen E A Sauter Poultry Sci 47(4):1219-1224

Jul 1968 47.8 AM33P Animal physiology, Barley, Chicks, Diet, Eggs, Enzymes, Productivity, Research, Tables (data).

21285-69

YOLK AMPROLIUM LEVELS PRODUCED BY GIVING CHICKENS AMPROLIUM IN FEED OR WATER.

D Polin W H Ott E R Wynosky C C Porter Poultry Sci 47(3):795-799

May 1968 47.8 AM33P

Amprolium, Biochemistry, Chickens, Egg yolks, Feed, Water.

21286-68

FACTORS AFFECTING ZN REQUIREMENT OF CATTLE. (ABSTRACT).

W D Price W H Smith

J Anim Sci 27(4):1174-1175

Jul 1968 49 J82 Animal physiology, Cattle, Digestion, Feeding, In vitro, Research, Zinc. Abstract presented at 60th annual meeting of A.S.A.S

21287-68

BIOCHEMICAL ABBERRATIONS WITH AMMONIA INTOXICATION. (ABSTRACT).

R L Prior A J Clifford W J Visek J Anim Sci 27(4):1175

Jul 1968 49 J82

Ammonia, Biochemistry, Injections, Liver, Metabolism, Naphthaleneacetic dehydrogenase, Rats, Toxicology. Abstract presented at 60th annual meeting of A.S.A.S

21288-68

INFLUENCE OF CALCIUM IN LAYING RATIONS ON SHELL QUALITY AND INTERIOR QUALITY OF EGGS.

C V Reddy P E Sanford R E Clegg Poultry Sci 47(4):1077-1083 REF Jul 1968 47.8 AM33P

Calcium, Diet, Economics, Eggs, Metabolism, Physiology, Research.

21289-68

RESPONSE OF BEEF COWS TO EXOGENOUS PROGESTERONE AND ESTRADIOL AT VARIOUS STAGES POSTPARTUM.

S Saiduddin M M Quevedo W D Foote

J Anim Sci

Jul 1968 49 J82

Animal physiology, Cattle, Estradiol, Progesterone, Reproduction, Research.

21290-68

LEVELS OF CARBADOX FOR GROWING-FINISHING SWINE. (ABSTRACT).

J E Shively G W Thrasher C E Askelson W E Babcock

J Anim Sci 27(4):1136

Jul 1968 49 J82

Animal physiology, Biochemistry, Carbadox, Drug therapy, Feed, Research, Swine. Abstract presented at 60th annual meeting of A.S.A.S.

21291-68

ANAEROBIC ENTEROTOXEMIA TREATMENT IN SHEEP. (SP)

D Sinpetru

Rev Zootech Med Vet 8(18):69-71

Aug 1968 49 P943

Anaerobic bacteria, Blood, Enterotoxemia, Research, Sheep.

21292-68

INFLUENCE OF DIETARY IRON ON STEER PERFORMANCE. (ABSTRACT).

J F Standish C B Ammerman F C Neal A Z Palmer C F Simpson

J Anim Sci 27(4):1177

Jul 1968 49 J82

Animal physiology, Biochemistry, Breeding, Cattle, Diet, Drug therapy, Iron. Abstract presented at 60th annual meeting of A.S.A.S.

21293-68

EFFECT OF ESTRADIOL-17 BETA ON OVINE LUTEAL FUNCTION. (ABSTRACT).

F Stormshak H E Kelley H K Hawk

J Anim Sci 27(4):1197

Jul 1968 49 J82

Animal physiology, Corpus luteum, Drug therapy, Estradiol, Injections, Research, Sheep. Abstract presented at 60th annual meeting of A.S.A.S.

21294-68

MILK PRODUCTION OF COWS FED DIETS DEFICIENT IN VITAMIN A.

E W Swanson G G Martin F E Pardue G M Gorman

J Anim Sci 27(2):541-548 REF

Mar 1968 49 J82

Cattle, Deficiency diseases, Diet, Feeding, Milk analysis, Research, Vitamin a.

21295-68

HAEMATOMAS OVER THE MAMMARY VEINS IN COWS.

O Swarbrick

Vet Rec 83(12):305-306

21 Sep 1968 41.8 V641

Dairy cattle, Hemorrhage, Hernia, Mammary glands, Research, Veins.

21296-68

A REPORT OF A SUSPECTED ANTHRAX OUTBREAKS AMONG HUMAN BEINGS IN TARLAC PROVINCE.

J V Tacal R S Peneyra

Philippine J Vet Med 5(1/2 JUN-DEC):31-52

1966 41.8 P53

Anthrax, Diagnosis, Epidemiology, Histology, Human diseases, Livestock, Reports, Research.

21297-68

EFFECTS OF CARBADOX ON PERFORMANCE AND CARCASS TRAITS OF SWINE. (ABSTRACT).

G W Thrasher J E Shively C E Askelson W E Babcock

J Anim Sci 27(4):1137

Jul 1968 49 J82

Animal physiology, Biochemistry, Carbadox, Dosage, Research, Swine. Abstract presented at 60th annual meeting of A.S.A.S.

21298-68

OBSERVATIONS ON THE BACTERIAL FLORA OF THE ALIMENTARY TRACT IN THREE AGE GROUPS OF NORMAL CHICKENS.

L Timms

Brit Vet J 124(10):470-477

Oct 1968 41.8 V643

Bacteria, Chickens, Gastrointestinal system, Research, Tables (data). Spanish, french, and German summary

21299-68

THE EFFECTS OF HIGH LEVELS OF DIETARY EDTA, ZINC OR COPPER ON THE MINERAL CONTENTS OF SOME TISSUE OF TURKEY POULTS.

P Vohra G D Gottfredson F H Kratzer Poultry Sci 47(4):1334-1343 REF

Jul 1968 47.8 AM33P

Animal nutrition, Copper, Diet, Ethylenediaminetetraacetic acid, Minerals, Tissues, Turkeys, Zinc.

21300-68

SALMONELLA AND TOTAL COUNT REDUCTION IN POULTRY TREATED WITH SODIUM HYPOCHLORITE SOLUTIONS.

C J Wabeck D V Schwall G M Evancho J G Heck A B Rogers

Poultry Sci 47(4):1090-1094 REF

Jul 1968 47.8 AM33P

Biochemistry, Drug therapy, Microbiology, Poultry, Research, Salmonella bacterins, Sodium hypochlorite.

21301-68

EFFECT OF LACTATION ON REPRODUCTIVE PERFORMANCE IN THE EWE. (ABSTRACT).

J F Wagner E L Veenhuizen
J Anim Sci 27(4):1198

Jul 1968 49 J82

Animal physiology, Lactation, Pregnancy, Progesterone, Reproduction, Research, Sheep. Abstract presented at 60th annual meeting of A.S.A.S.

21302-68

THE EVALUATION OF A LOW-GOSSYPOL GLANDLESS COTTONSEED MEAL IN BROILER DIETS.

P W Waldroup E G Keyser V E Tollett T E Bowen

Poultry Sci 47(4):1179-1186 REF

Jul 1968 47.8 AM33P

Animal nutrition, Chickens, Cottonseed meal, Gossypol, Research, Tables (data).

21303-68

PHOTOPERIODISM AS A FACTOR IN FEED-ING RHYTHMS OF BROILER CHICKS.

W D Weaver P B Siegel Poultry Sci 47(4):1148-1154 REF

Jul 1968 47.8 AM33P Chicks, Feeding, Photoperiodism, Research.

21304-68

STRONTIUM METABOLISM IN CHICKS.

C W Weber A R Doberenz R W G Wyckoff B L Reid

Poultry Sci 47(4):1318-1323 REF

Jul 1968 47.8 AM33P

Animal physiology, Calcium, Chicks, Diet, Feed, Metabolism, Research, Strontium.

21305-68

THE DEVELOPMENT OF THE CAPACITY FOR SYSTEMIC ANAPHYLACTIC SHOCK IN THE CHICKEN.

H H Weetail

Poultry Sci 47(4):1073-1076 REF

Jul 1968 47.8 AM33P

Anaphylaxis, Animal physiology, Antibodies, Antigens, Chicks, Immunization, Research.

1306-68

UREA TOXICITY STUDIES WITH THE PREGNANT BOVINE. (ABSTRACT).

J D Word D L Williams L C Martin E I Williams R J Panciera T E Nelson K L Byrd A D Tillman J Anim Sci 27(4):1180

Jul 1968 49 J82

Animal physiology, Cattle, Pregnancy, Research, Toxicology, Urea. Abstract presented at 60th annual meeting of A.S.A.S.

21307-6

OBSERVANTIONS ON A POISONING CASE IN SHEEP GRAZED ON NITROGEN TREATED PASTURES. (SP)

P Zottu

Rev Zootech Med Vet 8(18):72-74

Aug 1968 49 P943

Nitrogen, Pastures, Poisoning, Research, Sheep.

1308-68

STUDIES ON THE ZINC REQUIREMENT OF BEEF CATTLE. (ABSTRACT).

T D Zurcher W m Beeson J Anim Sci 27(4):1181

Jul 1968 49 J82

Animal nutrition, Animal physiology, Cattle, Diet, Research, Zinc. Abstract presented at 60th annual meeting of A.S.A.S.

DISEASES

21309-68
NEUTRALIZING ANTIBODIES TO ADENOVIRUS IN INFECTIOUS HEPATITIS.
J Alwen F Fulton

J Trop Med Hyg 71(10):247-251

J 1rop Med Hyg /1(10):. Oct 1968 448.8 J827

Adenoviruses, Antibodies, Hepatitis, Human diseases, Infectious diseases, Virus diseases (animals).

21310-68

INFLUENCE OF DUST AND AMMONIA ON THE DEVELOPMENT OF AIR SAC LESIONS IN

D P Anderson R R Wolfe F L Cherms W E Roper

Amer J Vet Res 29(5):1049-1058

May 1968 41.8 AM3A

Air sacs. Ammonia, Dust (soil), Livestock diseases, Physiology, Turkeys.

21311-68

EXPERIMENTAL REPRODUCTION OF CANINE INTERSTITIAL NEPHRITIS.

L J Anderson

Oct 1967 41.8 J82 Animal diseases, Dogs, Laboratories, Nephritis,

J Comp Pathol 77(4):413-418 REF

21212 69

HOG CHOLERA AND OTHER COMMUNICABLE SWINE DISEASES. NOTICE OF PROPOSED RULE MAKING.

R J Anderson

Fed Regist 33(226):17180-17183

Reproduction, Research.

20 Nov 1968 L1.451

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21313-68

Breeding, Feeding, Hog cholera, Infectious diseases, Livestock diseases, Swine.

COMPARATIVE EFFICACY OF COMMERIAL FOWL CHOLERA BACTERINS AND AU-TOGENOUS BACTERIN IN WHITE LEGHORN ARTIFICIALLY INFECTED WITH PASTEURELLA MULTOCIDA.

B W Bierer T H Eleazer

Paultry Sci 47(4):1162-1165

Jul 1968 47.8 AM33P

Animal diseases, Autogenous bacterins, Bacterins, Chickens, Dosage, Fowl cholera, Injections, Pasteurella multocida, Research.

21314-68

GROSS LESIONS OBSERVED IN TURKEYS IN-FECTED WITH FOWL CHOLERA VIA THE DRINKING WATER.

B W Bierer

Paultry Sci 47(4):1365

Jul 1968 47.8 AM33P

Animal diseases, Fowl cholera, Pasteurella, Research, Turkeys, Water.

INDUCTION OF EXPERIMENTAL TETANY IN CATTLE. (ABSTRACT).

V R Bohman G Harding D L Grunes A L Lesperance

J Anim Sci 27(4):1161

Jul 1968 49 J82

Aconitic acid, Animal physiology, Cattle, Feed, Grass tetany, Livestock diseases, Research. Abstract presented at 60th annual meeting of A.S.A.S.

21316-68

DURATION OF IMMUNITY AGAINST NEW-CASTLE DISEASE IN BIRDS VACCINATED WITH BPL INACTIVATED VACCINE.

PG Box DA Barr B I Helliwell A Aperghis

Vet Rec 83(13):332-333

28 Sep 1968 41.8 V641

Antibodies, Birds, Blood analysis, Hemagglutination, Immunity, Immunization, Newcastle disease, Newcastle disease vaccines, Research, Virus diseases (animals).

UTERINE INFECTION AND CORPUS LUTEUM LIFESPAN IN THE EWE. (ABSTRACT).

T H Brinsfield D K Higginbotham H W Hawk J Anim Sci 27(4):1188

Jul 1968 49 J82

Animal physiology, Corpus luteum, Escherichia coli, Estrus, Livestock diseases, Sheep, Uterus. Abstract presented at 60th annual meeting of A.S.A.S.

21318-68

SPREAD OF SCRAPIE BY CONTACT TO GOATS AND SHEEP.

J G Brotherston C C Renwick J T Stamp I

Zlotnik I H Pattison

J Camp Pathal 78(1):9-17 REF

Jan 1968 41.8 J82

Goats, Infectious diseases, Livestock diseases, Scrapie, Sheep.

21319-68

THE CAUSES OF GASTRIC ULCERS IN PIGS.

Bur Nutr Anim Elev (P589):3P

Feb 1968 389.79 B89

Feed, Feeding, Gastric juice, Hydrogen-ion concentration, Livestock diseases, Respiratory diseases, Swine, Ulcers. The complete report is number P582.

21320-68

ELECTRON MICROSCOPIC STUDIES OF QUAIL BRONCHITIS VIRUS.

S K Butta B S Pomeroy

Amer J Vet Res 28(122):296-299

Jan 1967 41.8 AM3A

Chicken embryo lethal orphan virus, Electron microscopy, Quail bronchitis virus, Research, Respiratory diseases.

21321-68

PROPAGATION OF ICH VIRUS IN SWINE-LUNG TISSUE CULTURE. PATENT 3,399,113. V J Cabasso

Us Patent Office Offic Gaz 853(4):1065

27 Aug 1968 156.65 OF2

Antigens, Culture media, Dogs, Infectious canine hepatitis, Kidneys, Lungs, Patents, Swine, Viral vaccines, Virology.

SEROLOGIC DETECTION OF A VIRUS OF TRANSMISSIBLE GASTROENTERITIS OF SWINE AND DETERMINATION OF ITS NUCLEIC ACID TYPE.

E Caletti M Ristic A A V Lehmden-Maslin Amer J Vet Res 29(8):1603-1612 REF

Aug 1968 41.8 AM3A

Gastroenteritis, Intestines, Nucleic acids, Serological tests, Swine, Virus diseases (animals).

21323-68

THE RESPONSE OF COMMERCIAL EGG PRODUCTION STOCKS TO EXPERIMENTAL INFECTION WITH EIMERIA TENELLA AND ITS RELATION TO FIELD MORTALITY.

J R Challey T K Jeffers W H McGibbon Paultry Sci 47(4):1197-1204

Jul 1968 47.8 AM33P

Animal diseases, Economics, Eggs, Eimeria tenella, Injections, Mortality, Productivity, Research.

21324-68

PATHOGENOUS STRENGTH OF A STRAIN OF HERPESVIRUS BOVIS IN A NEW-BORN CALF, INFECTED THROUGH THE AIR. (FR)

A Charton A Parodi P Faye C Le Layec Acad Vet France Bull 41(2):69-76

Feb 1968 41.9 R24

Bacteriology, Cattle, Herpesviruses, Infectious diseases, Septicemia, Virology, Virus diseases (animals).

THE CLINICAL FEATURES OF GUTTURAL POUCH MYCOSIS IN THE HORSE.

W R Cook

Vet Rec 83(4):336-345

05 Oct 1968 41.8 V641

Diagnosis, Horses, Laboratories, Livestock diseases, Mycosis, Respiration.

EQUINE DISTEMPER EPIDEMIC IN FRANCE (1965-67) VIROLOGICAL STUDY.

P Cottereau J C Proy R Sohier M Henry Acad Vet France Bull 40(8):427-430

Oct 1967 41.9 R24

Antibodies, Canine distemper, Epidemiology, Hemagglutination, Serological tests, Virology, Virus diseases (animals).

EXPERIMENTAL TRICHOPHYTON VERRU-COSUM INFECTIONS IN LABORATORY ANIMALS.

W A Cox J A Moore

J Camp Pathal 78(1):35-41 REF

Jan 1968 41.8 J82

Animal diseases, Fungus diseases (animals). Laboratories, Laboratory animals, Research. Trichophyton verrucosum.

CLINICAL PATHOLOGIC FEATURES OF ACUTE AFLATOXICOSIS OF SWINE.

S J Cysewski A C Pier G W Engstrom J L Richard R W Dougherty

Amer J Vet Res 29(8):1577-1590 REF

Aug 1968 41.8 AM3A Aflatoxicosis, Laboratories, Liver, Livestock dis-

eases, Properties, Swine.

21329-68

RESEARCH ABOUT A POLYVALENT TREAT-MENT OF SERIOUS MASTITIS. (FR

A Darras P. Sorel

Soc Vet Prat France Bull Mens 52(3):155-162

Mar 1968 41.9 SO12

Adrenal cortex hormones, Animal diseases, Antibiotics, Assay, Corynebacterium, Drug therapy, Mastitis, Research, Staphylococcus.

21330-68

ISOLATION OF MYCOPLASMA FROM CALF LUNGS

G Davies

J Comp Pathol 77(4):253-357

Oct 1967 41.8 182

Cattle, Livestock diseases, Lungs, Mycoplasma, Pneumonia.

SOME DISTRIBUTIONAL FEATURES OF THE FOOT AND MOUTH EPIDEMIC.

W K D Davies G B Lewis H A Randall Nature 219(5150):121-125 MAP

13 Jul 1968 472 N21

Epidemiology, Foot-and-mouth disease, Geography, Livestock diseases, Weather.

CONTRIBUTION TO THE STUDY OF THE CALCIUM, OF THE NUTRITION AND OF THE CHEMISTRY IN CATTLE INFECTED WITH VIRUS FEVER. (FR

B Dellac

Lyan Ecale Nat Vet These 31:45P.

25 May 1967 41.2 L99

Biological assay, Calcium, Cattle, Fever, Nutrition, Research, Serological tests, Virus diseases (animals)

21333-68

SALINE INJECTIONS IN THE TREATMENT OF SEVERE CASES OF SCOUR IN YOUNG SUCKLED CALVES.

J Dickson

Vet Rec 83(17):428-433

26 Oct 1968 41.8 V641

Cattle, Injections, Livestoek diseases, Saline water, Scours, Therapcutics.

STUDIES ON THE ACTIVITY OF MOTION OF MINKS. (GE)

H Eichel

Arch Exp Veterinarmed 21(4):1113-1115

Sep 1967 41.8 EX7

Animal cages, Behaviorism, Environment, Minks, Research. English and Russian summaries

21335-68

EFFECT OF LIVING REV. I. VACCINE IN PRODUCING LONG-TERM **IMMUNITY** AGAINST BRUCELLA MELITENSIS INFECTION IN SHEEP IN IRAN.

F Entessar A Ardalan A Ehadi L M Jones

J Camp Pathol 77(4):367-376

Oct 1967 41.8 J82

Bacteria, Brucella melitensis, Immunity, Livestock diseases, Sheep, Vaccines.

21336-68

EFFECT OF CHRONIC RESERPINE METABOLISM AND CHEMICAL CSTITUENTS OF TURKEY TESTIS. CON-

L L Ewing R D Montgomery D M Baldwin R F Clegg J F Tierce M A Maloney J C Gilbreath Nature 214(5094):1267-1268 REF 17 Jun 1967 472 N21

Chemicals, Chronic respiratory disease, Culture media, Metabolism, Morphology, Physiology, Reserpine, Turkeys.

FUNCTIONAL AND STRUCTURAL EFFECTS OF MAGNESIUM DEFICIENCY AND CORTISONE TREATMENT IN MICE.

D R Farnell

Amer J Vet Res 29(8):1695-1706 REF

Aug 1968 41.8 AM3A

Anatomy, Cortisone, Deficiency diseases, Diet, Magnesium, Mice, Tissues.

21338-68

CLINICAL AND SEROLOGICAL RESPONSES OF THE CALF INOCULATED IN VARIOUS WAYS (GENITAL, OCULAR, PULMONARY) WITH A STRAIN OF HERPESVIRUS ISOLATED FROM A PNEUMONIA LESION OF A CALF. (FR)

P Faye A Charton C Le. Layee

Acad Vet France Bull 41(2):77-81

Feb 1968 41.9 R24

Aging, Animal physiology, Cattle, Herpesviruses, Immunity, Injections, Livestock diseases, Pneumonia, Research, Serological tests.

21339-68

ANTISERUM FOR TOMATO SPOTTED WILT VIRUS.

J M Feldman J A Boninsegna Nature 219(5150):183-184 13 Jul 1968 472 N21

Antigens, Antiserum, Aztee tobaeeo, Nicotiana glutinosa, Proteins, Research, Sap, Spotted wilt (tomatoes), Tobacco, Tomatoes, Viruses.

THE PASSAGE OF STAPHYLOCOCCI THROUGH THE BOVINE TEST CANAL.

D Forbes

J Dairy Res 35(3):399-406

Oet 1968 44.8 J823

Baeteria, Cattle, Culture media, Injections, Milk analysis, Staphyloeoeeus aureus.

ACTIVITY OF SORBITOL DEHYDROGENASE (S.D.) IN THE SERUM OF SHEEP AND CATTLE WITH LIVER DAMAGE.

E J H Ford

J Comp Pathol 77(4):405-411 REF

Oet 1967 41.8 J82

Blood, Cattle, Dehydrogenases, Glueitol, Kidneys, Liver, Physiology, Sheep.

MINERAL AND CHLORTETRACYCLINE SUP-PLEMENTATION TO ALL-CONCENTRATE NPN SUPPLEMENTED FEEDLOT RATIONS. (ABSTRACT).

R D Furr K R Hansen J A Carpenter L B Sherrod

J Anim Sci 27(4):1111

Jul 1968 49 J82

Antibiotics, Cattle, Chlortetraeyeline, Food additives, Minerals, Research. Abstract presented at meeting of A.S.A.S., July 7-9, 1968, moseow, Idaho

21343-68

ACUTE AND CHRONIC ERYSIPELOTHRIX RHUSIOPATHIAE INFECTION IN WHITE MICE.

H D Geissinger

J Comp Pathol 78(1):79-88 REF

Jan 1968 41.8 J82

Animal diseases, Blood, Erysipelothrix insidiosa, Miee.

21344-68

THE EVALUATION OF A TEAT-DIPPING FOR-MULATION OF CHLORHEXIDINE.

E L Gerring R Hall A J Sandoe

Vet Rec 83(5):112-115

03 Aug 1968 41.8 V641

Chlorhexidine, Dairy eattle, Dipping, Livestoek diseases, Mastitis, Milk, Teats.

THE EFFECT OF DIFFERENT LEVELS OF VITAMIN A ON THE ANTERIOR PITUITARY OF YOUNG BULLS.

S Ghannam M Fayez O S Khadr H Al-Alily Res Vet Sci 9(5):481-485 REF

Sep 1968 41.8 R312

Animal histology, Bulls, Cells, Deficiency diseases, Pituitary gland, Research, Vitamin a.

21346-68

DETECTION OF ANTIBODIES TO MYCOBAC-**JOHNE1** IMMU-TERIUM BY NOFLUORESCENCE.

N J L Gilmour A C Gardiner J Comp Pathol 78(1):107-113

Jan 1968 41.8 J82

Animal diseases, Antibodies, Fluorescenee, Immunology, Johne's disease, Myeobaeterium johnei.

21347-68

TRANSFER OF ROUS VIRUS GENOME FROM RAT TUMOUR CELLS TO CHICK CELLS AT HIGH TEMPERATURE.

M Grofova D Simkovie Neoplasma 15(3):225-230

1968 41.8 N353

Cells, Chiek embryos, Culture media, Neoplasms, Rats, Research, Rous associated viruses, Temperature, X-rays. Russian and German summary

21348-68

THREE CLINICAL CASES OF EOSINOPHILIC ENTERITIS.

C.L. Hall

Southwest Vet 21(1,FALL):41-42

1967 41.8 SO82

Animal diseases, Diagnosis, Enteritis, Eosinophils, Histology, Research.

IMMUNOFLUORESCENCE AS A DIAGNOSTIC PROCEDURE IN LUNGWORM DISEASE OF

J M Hamilton R J Roberts

Vet Rec 83(16):401-403

19 Oct 1968 41.8 V641

Cats, Diagnosis, Fluorescent antibody technic, Immunity, Lungs, Verminous bronchitis.

21350-68

ON IMMUNOPRECIPITATION IN SWINE PLAGUE. PRECIPITATION III ELEC-TROPHORESIS ACCELERATED TROPHORESIS AS AN ACCELERATED METHOD FOR THE DISTINGUISHING OF SERA OF HEALTHY PIGS AND PIGS AF-FECTED WITH SWINE PLAGUE. (GE)

H Hantschel

Arch Exp Veterinarmed 21(5):1131-1145 REF Nov 1967 41.8 EX7

Electrophoresis, Immunization, Livestock diseases, Serological tests, Swine, Swine plague. English

ACTION OF DISINFECTANTS ON EXPERI-MENTAL MOUSE SCRAPIE.

E G Hartley

Nature 213(5081):1135

18 Mar 1967 472 N21

Animal diseases, Animal histology, Antisepties, Formaldehyde, Heat, Injections, Laboratory animals, Mice, Nervous system, Serapie.

COMPLEMENT-FIXATION MICRO-PROCEDURES FOR ANAPLASMOSIS.

R J Hidalgo G T Dimopoullos Amer J Vet Res 28(122):245-251

Jan 1967 41.8 AM3A

Anaplasmosis, Antigens, Blood serum, Complement fixation, Serological tests, Volumetrie analy-

21353-68

NEWCASTLE DISEASE IN A FLOCK OF JAPANESE QUAILS.

D A Higgins

Vet Rec 83(17):437-440

26 Oct 1968 41.8 V641

Animal diseases, Newcastle disease, Quail.

HYPOMAGNESEMIC TETANY AND MAGNESI-UM HOMEOSTASIS IN THE ADULT BOVINE. C A Hierpe

Southwest Vet 21(1,FALL):33-39 REF

1967 41.8 SO82

Cattle, Chemicals, Epidemiology, Hypomagnesemia, Magnesium, Research, Tetany.

SKIN TUMORS IN THE DOG. (DU)

J Hoorens H Thoonen

Vlaam Diergeneesk Tijdschr 37(5):231-244 REF May 1968 41.8 V84

Animal diseases, Carcinoma, Dogs, Mammary glands, Neoplasms, Reproductive organs, Skin diseases. English, French summary.

21356-68

EXPERIMENTAL BOVINE 1NFECTIOUS KERATOCONJUNCTIVITIS CAUSED BY SUN-LAMP IRRADIATION AND MORAXELLA BOVIS INFECTION: DETERMINATION OF OP-TIMAL IRRADIATION.

D E Hughes G W Jr. Pugh T J MeDonald

Amer J Vet Res 29(4):821-827

Apr 1968 41.8 AM3A

Baeteria, Cattle, Infectious diseases, Irradiation, Keratoconjunctivitis, Lighting, Livestoek diseases, Moraxella bovis, Research.

21357-68
EXPERIMENTAL BOVINE INFECTIOUS KERATOCONJUNCTIVITIS CAUSED BY SUNLAMP IRRADIATION AND MORAXELLA BOVIS INFECTION: RESISTANCE TO RE-EXPOSURE WITH HOMOLOGOUS AND AVELLA BOVIS.

D E Hughes G W Jr. Pugh T J MeDonald

Amer J Vet Res 29(4):829-833

Apr 1968 41.8 AM3A

Bacteria, Cattle, Immunity, Infectious diseases, Irradiation, Keratoeonjunetivitis, Lighting, Livestoek diseases, Moraxella bovis, Research.

THE IMPORTATION OF DISEASE TO BRITAIN BY WILD ANIMALS.

A D Irvin

Vet Rec 83(16):396-401 REF

19 Oet 1968 41.8 V641

Animal diseases, Foreign trade, Human diseases, Wildlife.

21359-68

SCABIES IN SHEEP. INTERSTATE MOVE-MENT.

G W Irving

Fed Regist 33(239):18276

10 Dec 1968 L1.451

Infectious diseases, Livestock diseases, Scabies,

21360-68

THE RESULTS OF APPLYING THE CHINESE STRAIN OF THE LAPINIZED SWINE FEVER VIRUS WITHOUT THE SPECIFIC SERUM FOR VACCINATION OF PIGS IN INDUSTRIAL FAT-TENING HOUSES. (PO)

H Janowski J Walezak

Med Wet 24(7):388-392 REF

Jul 1968 41.8 M463

Animal diseases, Hog eholera virus, Immunity, Immunization, Research, Serum, Swine, Virus diseases (animals). English summary and Russian.

21361-68

RELATIONSHIP BETWEEN SEVERITY OF ANEMIA AND PLASMA ERYTHROPOIETIN TITER IN ANAPLASMA-INFECTED CALVES AND SHEEP.

P R Jatkar J P Kreier

Amer J Vet Res 28(122):107-113 REF

Jan 1967 41.8 AM3A

Anaplasma, Anemia, Blood proteins, Calves, Livestoek diseases, Sheep, Volumetric analysis.

21362-68

DISTRIBUTION THE OF NERVES; MONOAMINE OXIDASE SKIN OF CHOLINESTERASE IN POULTRY. THE

D Jenkinson P S Blackburn Res Vet Sci 9(5):429

21363-68

Sep 1968 41.8 R312

Cholinesterases, Histology, Monoamine oxidase, Nerves, Poultry, Research, Skin diseases.

21363-68

IMMUNIZATION OF CATTLE AGAINST RABIES WITH THE KELEV STRAIN VACCINE.

E Kalmar A Tadmor Res Vet Sci 9(5):424

Sep 1968 41.8 R312 Blood analysis, Cattle, Immunization, Rabies, Research, Serological tests, Serum.

21364-68

SOME BIOCHEMICAL ASPECTS OF MOUSE SCRAPIE.

R H Kimberlin O C Millson J Comp Pathol 77(4):359-366 REF Oct 1967 41.8 J82

Animal diseases, Biochemistry, Mice, Nervous system, Scrapie, Sheep.

21365-68

FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. BUQUINOLATE.

J K Kirk

Fed Regist 33(218):16334 07 Nov 1968 L1.451

Animal diseases, Animals, Biochemistry, Buquinolate, Chemical control (insects), Coccidiosis, Eimeria brunetti, Feed, Food additives, Water.

21366-68

COMPARATIVE FLUORESCENCE-IMMU-NOLOGICAL AND CYTOPATHOLOGICAL STUDIES WITH VARIOUS VIRUS STRAINS OF THE MUCOSAL DISEASE OF CATTLE. (GE)

R Kokles D Urbaneck H Liebermann
Arch Exp Veterinarmed 21(5):1295-1304 REF

Nov 1967 41.8 EX7

Cattle, Fluorescence, Immunity, Mucosal disease, Research, Virus diseases (animals). English and Russian summaries

21367-68

PREVENTION AND TREATMENT OF SWINE DYSENTERY. (ABSTRACT).

E T Kornegay J W Davis H R Thomas

J Anim Sci 27(4):1134

Jul 1968 49 J82

Animal diseases, Biochemistry, Carbadox, Drug therapy, Feed, Research, Swine dysentery. Abstract presented at 60th annual meeting of the A.S.A.S.

21368-68

THE HYDRAZIDE OF ISONICOTINIC ACID IN PREVENTING AND TREATMENT OF TUBERCULOSIS IN MINKS. (PO)

T Kubinski

Med Wet 24(7):402-403

Jul 1968 41.8 M463

Animal diseases, Drug therapy, Hydrazides, Isoniazid, Minks, Tables (data), Tuberculosis.

21369-68

PATHOGENESIS AND PATHOLOGY OF INFECTION IN CALVES WITH STRAINS OF REOVIRUS TYPES I AND 2.

P H Lamont J H Darbyshire P S Dawson A R Omar A R Jennings

J Comp Pathol 78(1):23-33 REF

Jan 1968 41.8 J82

Cattle, Livestock diseases, Reoviruses, Virus diseases (animals).

21370-68

A BACTERIOLOGIC STUDY OF PATHOGENIC STAPHYLOCOCCUS STRAINS TAKEN ON DOG. (FR)

R Lautie M F Geral

Rev Med Vet (toulouse) 31(6):545-563 REF

Jun 1968 41.8 R32

Animal diseases, Bacteriology, Dermatosis, Dogs, Research, Serological tests, Staphylococcus. English summary.

21371-68

DUCK PLAGUE IN AMERICAN ANSERIFORMES.

L Leibovitz J Hwang

Wildlife Dis Ass Bull 4(1):13-14

Jan 1968 41.9 W64B

Ducks, Epidemiology, Mortality, Research, Virus diseases (animals).

21372-68

PSEUDOCOWPOX IN GERMANY. (GE)

H Liebermann P Schulze Ht Liebermann Arch Exp Veterinarmed 21(6):1419-1433 REF Dec 1967 41.8 EX7

Cytology, Electron microscopy, Morphology, Nucleic acids, Pseudocowpox, Rabbits, Stomatitis, Virus diseases (animals). Summary in English and Russian

21373-68

DIFFERENTIAL DIAGNOSIS OF BOVINE STO-MATITIS OF VIRAL ORIGIN. (GE

H Liebermann

Arch Exp Veterinarmed 21(6):1399-1418 REF Dec 1967 41.8 EX7

Cattle, Cells, Culture media, Cytology, Diagnosis, Morphology, Stomatitis, Virus diseases (animals). Summary in English and Russian

21374-68

COMPARATIVE IMMUNOHISTOLOGICAL STUDIES. (GE)

H Liebermann

Arch Exp Veterinarmed 21(6):1379-1389 REF Dec 1967 41.8 EX7

Cattle, Cells, Culture media, Fluorescence, Histology, Immunology, Lumpy skin disease, Pseudocowpox, Research, Serological tests, Vaccinia virus, Virus diseases (animals). Summary in English and Russian

21375-68

A STUDY OF THE STOMATITIS PAPULOSA VIRUS USING CELL CULTURES. (GE)

H Liebermann

Arch Exp Veterinarmed 21(6):1353-1377 REF Dec 1967 41.8 EX7

Cattle, Cells, Culture media, Cytology, Inclusion bodies, Stomatitis, Temperature, Vaccinia virus, Virus diseases (animals). Summary in English and Russian

21376-68

THE INFECTION SPECTRUM OF THE STO-MATITAS PAPULOSA VIRUS. (GE

H Liebermann

Arch Exp Veterinarmed 21(6):1337-1351 REF Dec 1967 41.8 EX7

Antibodies, Cattle, Cells, Culture media, Diagnosis, Inclusion bodies, Injections, Laboratory animals, Research, Stomatitis, Virus diseases (animals). Summary in English and Russian

21377-68

PROPAGATION AND TRANSMISSION OF HOG CHOLERA VIRUS IN NONPORCINE HOSTS.

R W Loan M M Storm

Amer J Vet Res 29(4):807-811 REF

Apr 1968 41.8 AM3A

Antibodies, Birds, Hog cholera virus, Infectious diseases, Laboratory animals, Rodents, Swine, Virus diseases (animals).

21378-6

REMARKS CONCERNING THE INFECTION OF FRANCE BY LYMPHOID CATTLE LEUKO-CYTOSIS.

C Lombard

Acad Vet France Bull 40(8):411-418

Oct 1967 41.9 R24

Cattle, Epidemiology, Leukocytosis, Research, Tables (data).

21379-68

HEMATOLOGICAL DETECTION OF LYMPHOID LEUKOCYTOSIS OF CATTLE IN GERS.

C Lombard F Dupin
Acad Vet France Bull 40(8):407-410

41.9 R24

Animal diseases, Cattle, Geography, Hematology, Leukocytosis, Slaughterhouses.

21380-68

THE STICKER SARCOMA. (FR.)

C Lombard P Cabanie

Rev Med Vet (toulouse) 31(6):565-586 REF Jun 1968 41.8 R32

Animal diseases, Dogs, Drug therapy, Electron microscopy, Histochemistry, Immunity, Research, Sarcoma. English summary

21381-68

DRYING-OFF THERAPY FOR BOVINE MASTITIS: A COMPARATIVE FIELD TRIAL,

R M Loosmore D Howell A D Adams D N Barnett T F F Barr

Vet Rec 83(4):358-

05 Oct 1968 41.8 V641

Dairy cattle, Drying, Livestock diseases, Mammary glands, Mastitis, Research, Therapeutics.

21382-6

EFFECTS OF TEMPERATURE AND TIME ON THE INFECTIVITY OF ANAPLASMA MARGINALE AFTER TREATMENT WITH PROTECTIVE ADDITIVES.

J N Love B L Valentine J W Scales Amer J Vet Res 28(122):51-54 REF

Jan 1967 41.8 AM3A

Anaplasma marginale, Culture media, Erythrocytes, Glycerol, Infectious diseases, Temperature, Time.

21383-68

CLINICAL AND SEROLOGIC RESPONSES IN VACCINATED SHEEP GIVEN CHALLENGE IN-OCULATION WITH ISOLATES OF BLUETON-GUE VIRUS.

A J Luedke M M Jochim

Amer J Vet Res 29(4):841-851 REF

Apr 1968 41.8 AM3A

Bluetongue virus, Injections, Serological tests, Sheep, Vaccines, Virus diseases (animals).

21384-68

GLYCOSIDASE HISTOCHEMISTRY IN NOR-MAL AND SCRAPIE MICE, RATS, SHEEP AND GOATS.

A Mackenzie G C Millson A M Wilson J Comp Pathol 78(1):43-52 REF

Jan 1968 41.8 J82

Animal diseases, Glycosidases, Goats, Histochemistry, Mice, Rats, Scrapie, Sheep.

21385-68

THE HAEMATOLOGICAL EXAMINATIONS AND THEIR ROLE IN THE DIAGNOSIS OF CATTLE LEUCOSIS. (SP)

N Manolescu Z Sirbu Gh Turculet Rev Zootech Med Vet 8(18):41-48

Aug 1968 49 P943

Animal diseases, Blood analysis, Cattle, Diagnosis, Research. French and Russian summary

21386-68

FRACTIONATED DIROFILARIA IMMITIS ANTIGENS FOR THE DIFFERENTIAL DIAGNOSIS OF CANINE FILARIASIS.

A Mantovani 1 G Kagen

Amer J Vet Res 28(122):213-217 REF

Jan 1967 41.8 AM3A

Antigens, Dipetalonema, Dirofilaria immitis, Dogs, Filariasis, Parasitism.

21387-69

THE FATE OF ASCARIS LUMBRICOIDES LINNAEUS, 1758 IN CHICKS (GALLUS GALLUS DOMESTICUS).

M F Manuel R D Turk

Philippine J Vet Med 5(1/2 JUN-DEC):53-69 REF
1966 41.8 P53

Ascaris lumbricoides, Chicks, Gastrointestinal system, Infectious diseases, Larvae, Research.

21388-68

A STUDY ON THE HELMINTH FAUNA OF PHILIPPINE GOATS.

M F Manuel C L Madriaga Philippine J Vet Med 5(1/2 JUN-DEC):79-85

names, Parasitic insects, Research.

1966 41.8 P53 Goats, Helminthiasis, Insect identification, Insect

CONTRIBUTION TO THE STUDY OF VIREMIA IN SHEEP INNOCULATED WITH THE VIRUS OF FOOT-AND-MOUTH DISEASE.

B Mastan C Dubouclard

Acad Vet France Bull 40(8):419-426

Oct 1967 41.9 R24

Blood analysis, Foot-and-mouth disease virus, Injections, Rcsearch, Sheep, Viremia, Virus diseases (animals).

21390-68

EFFECTS OF INCREASED FLOW OF PULMONARY BLOOD ON PULMONARY VASCULAR RESISTANCE AND STRUCTURE IN CALVES.

J D McCrady H S Rosenberg G L Hallman D G McNamara

Amer J Vet Res 29(8):1539-1547 REF

Aug 1968 41.8 AM3A

Blood, Cattle, Circulatory system, Physiology.

21391-68

INCIDENCE OF INTRAMAMMARY INFEC-TIONS DURING LACTATION IN DAIRY CAT-REPEATEDLY EXPOSED STREPTOCOCCUS AGALACTIAE AND AEROBACTER AEROGENES.

J S McDonald R A Packer

Amer J Vet Res 29(8):1525-1532 REF

Aug 1968 41.8 AM3A

Aerobacter aerogenes, Dairy cattle, Livestock discases, Mammary glands, Streptococcus agalactiae.

CIRCLING DISEASE IN SHEEP: A CASE STUDY REVEALS NEW KNOWLEDGE ON LISTERIOSIS.

J W McDonald

J Agr 66(PT 2):299-301

Aug 1968 23 V660J

Animal diseases, Environment, Histology, Infectious diseases, Listeriosis, Research, Sheep.

21393-68

COMPARISON OF EXAMINATION AND TEST METHODS FOR EARLY DETECTION OF PARATUBERCULOSIS CATTLE.

R S Merkal A B Larsen K E Kopecky R D Ness Amer J Vet Res 29(8):.1533-1538 REF

Aug 1968 41.8 AM3A

Cattle, Diagnosis, Johne's disease, Livestock diseases, Mycobacterium paratuberculosis.

EXPERIMENTAL PARATUBERCULOSIS IN SHEEP AFTER ORAL, INTRATRACHEAL; OR INTRAVENOUS INOCULATION: LOCALIZATION HISTOCHEMICAL DEHYDROGENASE ACTIVITIES.

R S Merkal W S Monlux J P Kluge A B Larsen K E Kopecky L Y Quinn R P Lehmann Amer J Vet Res 29(5):971-984 REF

May 1968 41.8 AM3A

Dehydrogenases, Histochemistry, Injections, Johne's disease, Mouth, Research, Shcep, Trachea,

EXPERIMENTAL PARATUBERCULOSIS IN SHEEP AFTER ORAL, INTRATRACHEAL, OR INTRAVENOUS INOCULATION: LOCALIZATION HISTOCHEMICAL. HYDROLASE ACTIVITIES.

R S Merkal J P Kluge W S Monlux A B Larsen K E Kopecky L Y Quinn R P Lehmann Amer J Vet Res 29(5):985-994 REF

May 1968 41.8 AM3A

Histochemistry, Hydrolases, Injections, Johne's disease, Mouth, Research, Sheep, Trachea, Veins.

21396-68

EXPERIMENTAL PARATUBERCULOSIS IN SHEEP AFTER ORAL, INTRATRACHEAL, OR INTRAVENOUS INOCULATIONS SEROLOGIC AND INTRADERMAL TESTS.

R S Merkal A B Larsen K E Kopccky J P Kluge W S Monlux R P Lehmann L Y Quinn Amer J Vet Res 29(5):953-962 REF

May 1968 41.8 AM3A

Injections, Johne's disease, Mouth, Research, Serological tests, Sheep, Skin tests, Trachea, Veins.

CONCENTRATION AND PURIFICATION OF NEWCASTLE DISEASE VIRUS.

H C Minocha R A Consigli A Eisenstark Amer J Vet Res 29(4):877-882

Apr 1968 41.8 AM3A

Chickens, Isotopes, Newcastle disease virus, Phosphorus, Research, Virus diseases (animals).

21398-68

SEROLOGICAL RESPONSES OF HORSES IM-MUNIZED WITH LIVE ATTENUATED AFRICAN HORSE SICKNESS VACCINE.

H Mirchamsy H Taslimi J Comp Pathol 77(4):431-438

Oct 1967 41.8 J82

African horse sickness, Animal diseases, Horses, Immunization, Serological tests, Vaccines.

21399-68

DETERMINATION OF THE DOSAGE-RESPONSE CURVE OF MICE INOCULATED WITH SCRAPIE.

D L Mould A M Dawson W Smith J Comp Pathol 77(4):387-391 REF

Oct 1967 41.8 J82

Animal diseases, Dosage, Injections, Mice, Scrapie.

RELATIONSHIPS BETWEEN CHEMICAL CHANGES AND HISTOLOGICAL DAMAGE IN THE BRAINS OF SCRAPIE AFFECTED MICE. D L Mould A M Dawson J S Slater I Zlotnik

J Comp Pathol 77(4):393-403 REF Oct 1967 41.8 J82

Animal diseases, Brain, Chemistry, Histology, Mice, Scrapie.

21401-68

UNSUCCESSFUL STUDIES IN THE DIALYSIS OF THE MOUSE SCRAPIE AGENT.

D L Mould A M Dawson J Comp Pathol 78(1):115-120

Jan 1968 41.8 J82

Animal diseases, Dialysis, Mice, Research, Scrapie.

21402-68

ZIERIA ARBORESCENS (STINKWOOD) INTOXICATION IN CATTLE.

B L Munday

Australian Vet J 44(11):501-502 REF

Nov 1968 41.8 AU72

Animal physiology, Cattle, Lungs, Poisoning, Poisonous plants, Pulmonary edema, Zieria arborescens.

21403-68

LABORATORY DIAGNOSIS AND TREATMENT OF INFECTIOUS MASTITIS IN DAIRY COWS.

A Nicolescu E Galusca C Corbescu M Nicolescu Rev Zootech Med Vet 8(18):49

Aug 1968 49 P943

Bacteriology, Dairy cattle, Infectious diseases, Mastitis, Research.

OSTEODYSTROPHIC DISEASES OF SHEEP.
III. DENTAL MAL-OCCLUSION IN YOUNG

D I Nisbet E J Butler J M Robertson C C Bannatyne

J Comp Pathol 78(1):73-77 REF

Jan 1968 41.8 J82

Livestock diseases, Mouth, Sheep.

21405-68

THE TIME COURSE OF SYNTHESIS OF VIRUS-SPECIFIC PROTEIN IN PIG-KIDNEY CELLS AFTER INFECTION WITH THE FOOT-AND-MOUTH DISEASE VIRUS. (GE)

A F Olechnowitz R Kokles

Arch Exp Veterinarmed 21(6):1461-1468 REF Dec 1967 41.8 EX7

Cclls, Fluorescence, Foot-and-mouth disease virus, Immunology, Proteins, Swine, Time, Virus diseases (animals). Summary in English and Russian

EXPERIMENTAL PRODUCTION OF THE CRANIAL FORM OF FOWL CHOLERA IN TURKEYS.

L D Olson E L McCune

Amer J Vet Res 29(8):1665-1673

Aug 1968 41.8 AM3A

Fowl cholera, Livestock diseases, Pasteurella multocida, Research, Skull, Turkeys.

21407-68

BRUCELLOSIS. CHANGES IN LIST OF PUBLIC STOCKYARDS.

R E Omohundro

Fed Regist 33(233):17848

30 Nov 1968 L1.451

Brucellosis, Indexing, Livestock diseases, Nomenclature, Stockyards.

PROGRESS IN THE CONTROL OF BRUCEL-LOSIS.

J Pasfield

Roy Ass Brit Dairy Farmers J 72:44-49

1968 44.9 B77

Agricultural outlook, Animal diseases, Brucellosis, Cattle, Foot-and-mouth disease, Research, Vac-

THE EFFECT OF STILBESTROL ON THE MOBILIZATION OF LIPOPROTEINS IN THE BLOOD SERUM OF COCKS. (GE)

J Pavel A Babak B Svozil

Arch Exp Veterinarmed 21(5):1209-1215

Nov 1967 41.8 EX7

Animal physiology, Blood, Diethylstilbestro Poultry, Proteins. English and Russian summaries Blood, Diethylstilbestrol,

THE FACE FLY, A LIVESTOCK PEST.

J T Pennell

Wash State Univ Ext Serv E M 2947:2P.

May 1968 275.29 W270MI

Biochemistry, Chemical control (insects), Feed additives, Insect morphology, Livestock, Metamorphosis, Methodology, Musca autumnalis, Ronnel, Spraying.

21411-68

ANTIGENIC RELATIONSHIP BETWEEN IN-FLUENZA A VIRUSES OF HUMAN AND AVAIN ORIGINS.

H G Pereira B Tumova R G Webster Nature 215(5104):982-983

26 Aug 1967 472 N21

Antigens, Biochemistry, Birds, Horses, Human diseases, Influenza, Rats, Swine, Viruses.

CYTOPATHOLOGIC CHANGES OF LYMPHATIC TISSUES OF CATTLE WITH THE BOVINE VIRUS DIARRHEA-MUCOSAL DISEASE COMPLEX.

C P Peter J R Duncan D E Tyler F K Ramsey

Amer J Vet Res 29(5):939-948 REF May 1968 41.8 AM3A

Bovine virus diarrhea virus, Cattle, Cytology, Lymphatic system, Mucosal disease, Tissues, Virus diseases (animals).

PATHOGENESIS AND PATHOLOGY IN CALVES OF INFECTION BY BEDSONIA ALONE AND BY BEDSONIA AND REOVIRUS

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J I H Phillip A R Omar V Popovici P H Lamont J H Darbyshire

J Comp Pathol 78(1):89-99 REF

Jan 1968 41.8 J82

Bedsonia virus, Cattle, Reoviruses, Virus diseases (animals)

21414-68

IN VITRO POTENCY TESTS FOR ANTI-IIOG CHOLERA ANTIBODIES: A TEST FOR ANTI-HOG CHOLERA SERUMS AND A TEST FOR HERD EXPOSURE.

C E Phillips

Amer J Vet Res 29(5):1097-1102

May 1968 41.8 AM3A

Antibodies, Culture media, Fluorescent antibody technic, Hog cholera, Hog cholera vaccines, Livestock diseases, Research, Swine.

IMMUNOLOGIC PROPERTIES OF CANINE TRANSMISSIBLE VENEREAL SARCOMA.

R D Powers

Amer J Vet Res 29(8):1637-1645 REF

Aug 1968 41.8 AM3A

Animal diseases, Antibodies, Dogs, Immunity, Neoplasms, Properties, Sarcoma.

IN VIVO EFFECTS OF CANINE LYMPHOSAR-COMA DEOXYRIBONUCLEIC ACID.

J E Prier J Roszel P H Craig D F Cain

Amer J Vet Res 28(122):183-189 REF Jan 1967 41.8 AM3A

Deoxyribonucleic acid, Dogs, Injections, Laboratoanimals, Lymphosarcoma, Neoplasms, Research.

21417-68

POTENCY OF AN ATTENUATED CANINE DISTEMPER VACCINE DERIVED FROM CHICK EMBRYO CELL CULTURES.

1 Prydie

Res Vet Sci 9(5):453-457

Sep 1968 41.8 R312

Canine distemper vaccines, Chick embryos, Culture media, Dogs, Ferrets, Histology, Research, Virus diseases (animals).

BOVINE EXPERIMENTAL INFECTIOUS KERATOCONJUNCTIVITIS CAUSED BY SUN-LAMP IRRADIATION AND MORAXELLA BOVIS INFECTION: CORRELATION OF HEMOLYTIC ABILITY AND PATHOGENICI-

G W Jr. Pugh D E Hughes

Amer J Vet Res 29(4):835-839

Apr 1968 41.8 AM3A

Bacteria, Cattle, Infectious diseases, Irradiation, Keratoconjunctivitis, Lighting, Livestock diseases, Moraxella bovis, Research.

ON THE DIAGNOSIS OF EQUINE TUBERCU-LOSIS. III. TUBERCULIN TESTS MADE ON EXPERIMENTALLY INFECTED HORSES. (GE) W Richter

Arch Exp Veterinarmed 21(5):1235-1246

Nov 1967 41.8 EX7

Diagnosis, Horses, Research, Tuberculin test, Tuberculosis. English and Russian summaries

ANAPLASMOSIS. ANAPLASMOSIS. XX, ELECTRON MICROSCOPY OF THE CAUSATIVE AGENT STAINED BY THE NEGATIVE CONTRAST TECHNIQUE.

M Ristic

Amer J Vet Res 28(122):63-70 REF

Jan 1967 41.8 AM3A

Anaplasmosis, Anatomy, Electron microscopy, Erythrocytes, Livestock diseases, Parasitism, Research.

MECHANISM OF EGG TRANSMISSION OF MYCOPLASMA GALLISEPTICUM.

D H Roberts J W McDaniel J Comp Pathol 77(4):439-442

Oct 1967 41.8 J82

Eggs, Livestock diseases, Mycoplasma gallisepticum, Poultry.

OBSERVATIONS ON EXPERIMENTAL ACUTE FASCIOLIASIS IN SHEEP.

Brit Vet J 124(10):433-450

Oct 1968 41.8 V643

Animal diseases, Blood serum, Fascioliasis, Laboratories, Research, Sheep, Tables (data), Trematoda. German and French summary

CLINICAL-DIAGNOSTICAL LIVER EXAMINA-TIONS IN ACETONEMIA (KETOSIS) OF CAT-TLE. (GE)

N Rossow

Arch Exp Veterinarmed 21(4):1005-1013 REF Sep 1967 41.8 EX7

Cattle, Diagnosis, Ketosis, Laboratories, Liver, Livestock diseases, Research. English and Russian summaries

BUOYANT DENSITY OF AFRICAN HOR-SESICKNESS VIRUS.

R Russell

Nature 215(5104):983-984

26 Aug 1967 472 N21

African horse sickness virus, Biochemistry, Density, Infectious diseases, Lipids, Viruses.

21425-68

HAMSTER ASCITES TUMOR CELL LINE BHK 21/C.13/T.6/ASCITES USEFUL IN MERGED SERUM-FREE AGAR CULTURES TO SUPPORT VIRUS GROWTH. (PATENT 3,418,210).

F K Sanders

Us Patent Office Offic Gaz 857(4):1225 24 Dec 1968 156.65 OF2

Agar, Ascites, Cells, Culture media, Hamsters, Neoplasms, Patents, Viruses.

INDUCTION OF TUMOURS IN HAMSTERS WITH INFECTIOUS CANINE HEPATITIS VIRUS.

P Sarma W Vass R J Huebner H Igel W T Lane H.C. Turner

Nature 215(5098):293-294 REF

15 Jul 1967 472 N21

Antigens, Complement fixation, Culture media, Hamsters, Infectious canine hepatitis virus, Neoplasms, Research.

21427-68

IN UTERO INFECTION OF BOVINE FETUSES WITH MYXOVIRUS PARAINFLUENZA-3.

S A Sattar E H Bohl A L Trapp A H Hamdy Amer J Vet Res 28(122):45-49

Jan 1967 41.8 AM3A

Cattle, Fetal death, Livestock diseases, Lungs, Myxovirus parainfluenza-3, Veterinary medicine.

21428-68

THE REMARKS ON ENZOOTIC PSEUDOTU-BERCULOSIS IN NUTRIA. (PO)

W Scheuring

Med Wet 24(7):406-407

Jul 1968 41.8 M463

Animal diseases, Nutria, Pseudotuberculosis, Research.

PLAQUE MORPHOLOGY OF NEWCASTLE DISEASE VIRUS AS INFLUENCED BY CELL TYPE AND ENVIRONMENTAL FACTORS.

G Schloer R P Hanson

Amer J Vet Res 29(4):883-895 REF

Apr 1968 41.8 AM3A

Cells, Environment, Morphology, Newcastle disease virus, Research, Virus diseases (animals).

21430-68

ELECTRON MICROSCOPIC DETECTION OF AVIAN TUMOR VIRUS MONONUCLEAR CELLS FROM THE BLOOD CHICKENS WITH **EXPERIMENTAL** OSTEOPETROSIS. (GE)

P Schulze K Vogel

Arch Exp Veterinarmed 21(6):1537-1541 REF Dec 1967 41.8 EX7

Avian tumor virus, Blood, Cells, Chickens, Electron microscopy, Morphology, Osteopetrosis, Virus diseases (animals). Summary in English and Russian

21431-68

THE POSSIBILITIES AND LIMITS OF SWINE DISEASE DIAGNOSTICS BASED ON CLINICAL EXAMINATIONS. (PO)

W Schulze

Med Wet 24(7):412-414

Jul 1968 41.8 M463

Diagnosis, Laboratory animals, Livestock diseases. Research, Swine,

INVESTIGATIONS INTO THE QUESTION OF THE OCCURRENCE OF DIFFERENT TYPES OF LYMPHOCYTES IN CATTLE WITH PAR-TICULAR REFERENCE TO ENZOOTIC LEU-KOSIS. (GE)

H Seils

Arch Exp Veterinarmed 21 1087-1097 REF

Sep 1967 41.8 EX7

Cattle, Leukosis, Livestock diseases, Lymphocytes, Research. English and Russian summaries

21433-68

RECOVERY OF VIRUS FROM BULLS AF-FECTED WITH FOOT-AND-MOUTH DISEASE.

R F Sellers R Burrows J A Mann P Dawe Vet Rec 83(12):303

21 Sep 1968 41.8 V641

Animal vectors, Bulls, Diagnosis, Foot-and-mouth disease, Research, Semen, Virus diseases (animals).

21434-68

THREE CASES OF METRITIS.

A G Shearer

Vet Rec 83(13):333-334

28 Sep 1968 41.8 V641 Animal diseases, Diagnosis, Dogs, Metritis, Ova-

ries, Uterus. 21435-68

EXPERIMENTAL AFLATOXICOSIS IN YOUNG SWINE.

D B Sisk W W Carlton T M Curtin Amer J Vet Res 29(8):1591-1602 REF

Aug 1968 41.8 AM3A Aflatoxicosis, Liver, Livestock diseases, Research, Swine.

21436-68

THE INVESTIGATIONS ON INCREASING THE SPECIFICITY OF THE COMPARATIVE TUBERCULIN TEST. (PO)

A Spryszak C Zorawski

Med Wet 24(7):397-401 Jul 1968 41.8 M463

Animal diseases, Birds, Cattle, Research, Tuberculin test, Tuberculosis. English, French, Russian, German summaries

21437-68

A BRUCELLA AGGLUTINATION SCREENING TEST.

C Staak C M Groocock

Vet Rec 83(4):349-351

05 Oct 1968 41.8 V641 Agglutination, Brucella, Cattle, Livestock diseases, Pleuropneumonia, Serological tests.

CHEMOTHERAPY OF RENAL LEPTOSPIRO-SIS IN SWINE.

O H V Stalheim

Amer J Vet Res 28(122):161-166 REF

Jan 1967 41.8 AM3A

Drug therapy, Kidneys, Leptospira pomona, Leptospirosis, Livestock diseases, Swine.

21439.68

INFLUENCE OF DIETARY SUGAR ON GROWTH OF CANDIDA ALBICANS IN THE PORCINE DIGESTIVE TRACT AND LESIONS IN THE ESOPHAGEAL AREA OF THE STOMACH.

M A Stedham D C Kelley E H Coles Amer J Vet Res 28(122):153-159 REF

Jan 1967 41.8 AM3A

Candida albicans, Diet, Esophagus, Growth factors, Livestock discases, Sugars, Swine.

THE ALEUTIAN DISEASE IN MINKS- PLAS-MOCYTOSIS. III. (po)

J Steffen R Sander-Wachowicz E Szaflarska-Stojko

Med Wet 24(7):403-405 Jul 1968 41.8 M463

Aleutian disease, Animal diseases, Cytology, Histology, Jodine, Minks, Research.

21441-68

INFECTIVITY FOR CATTLE AND PIGS OF THREE STRAINS OF FOOTAND-MOUTH DISEASE VIRUS ISOLATED FROM CARRIER CATTLE.

P Sutmoller P Auge de Mello M N Honigman K E Federer

Amer J Vet Res 28(122):101-105

Jan 1967 41.8 AM3A

Animal vectors, Cattle, Epizootic diseases, Footand-mouth disease virus, Swine, Volumetric analy-

21442-68

THE STERILIZING EFFECT AGAINST BACIL-LUS SUBTILIS SPORES OF HYDROGEN PEROXIDE AT DIFFERENT TEMPERATURES AND CONCENTRATIONS.

P Swartling B Lindgren

J Dairy Res 35(3):423

Oct 1968 44.8 J823

Bacillus subtilis, Culture media, Hydrogen peroxide, Research, Sterilization, Temperature.

THE ISOLATION AND COMPARATIVE BIOLOGICAL AND PHYSICAL CHARACTERISTICS OF T-MYCOPLASMAS OF CAT-

D Taylor-Robinson M H Williams D A Haig J Gen Microbiol 54(PT 1):33-46 REF

Nov 1968 448.3 1823

Biology, Cattle, Mycoplasma, Urogenital system. Physiology,

21444-68

A SURVEY OF CATTLE SERA FROM KENYA AND UGANDA FOR ANTIBODIES TO BOVINE VIRUS DIARRHOEA VIRUS.

W P Taylor C S Rampton Vet Rec 83(5):121-124 REF

03 Aug 1968 41.8 V641

Antibodies, Bovine virus diarrhea virus, Cattle, Kidneys, Serum, Virus discases (animals).

GROWTH AND NUTRITIONAL REQUIREMENTS OF TWO SEROTYPES OF OVINE VIBRIO FETUS.

G J Tritz J E Ogg

Amer J Vet Res 28(122):115-122 REF

Jan 1967 41.8 AM3A

Amino acids, Culture media, Growth factors, Nutrition, Sodium thiosulfate, Vibrio fetus.

21446-68

PHYSICAL AND CHEMICAL CONDITIONS INDUCING THE COCCOID FORM OF OVINE VIBRIO FETUS.

G J Tritz J E Ogg Amer J Vet Res 28(122):123-129 REF Jan 1967 41.8 AM3A

Culture media, Growth factors, Hydrogen-ion concentration, Sodium thiosulfate, Temperature, Vibrio fetus

21447-68

ON REGULARITIES IN THE OCCURRENCE OF RABIES DRESDEN COUNTY. A CONTRIBUTION TO THE EPIZOOTOLOGY OF RA-BIES, (GE)

F Ulbrich

Arch Exp Veterinarmed 21(4):1073-1085 MAP REF

Sep 1967 41.8 EX7

Animal diseases, Epidemiology, Rabies, Rescarch, Time. English and Russian summaries

CLINICAL AND PATHOLOGICAL ASPECTS OF HOG CHOLERA IN GRIEVOUS PIGS BELOW NORMAL PHYSICALLY. (GE)

D Urbaneck R Kokles D Schmidt E Wittmann H Bergmann

Arch Exp Veterinarmed 21(6):1443-1459 REF Dec 1967 41.8 EX7

Animal physiology, Diagnosis, Diet, Grain, Hog cholera, Swine, Virus diseases (animals). Summary in English and Russian

THE BEHAVIOR OF MACRONUCLEOLAR AND POLYNUCLEOLAR LYMPHOCYTES IN BOVINE LEUKOSIS. (GE)

D Urbaneck W Wittmann

Arch Exp Veterinarmed 21(6):1469-1476 REF Dec 1967 41.8 EX7

Animal diseases, Blood, Cattle, Leukocytosis, Lymphocytosis. Summary in English and Russian

ON THE ISOLATION OF SOME STRAINS OF THE MIYAGAWANELLA PSITTACI VIRUS. (FR)

J Virat A Vallee J C Guillon L Chaumont Acad Vet France Bull 40(9):433-440 Nov 1967 41.9 R24

Diagnosis, Miyagawanella group viruses, Ornithosis, Research, Serological tests.

21451-68

AN OBSERVATION ON FELINE INFECTIOUS PERITONTIS.

J M Ward R J Munn D H Gribble D L Dungworth

Vet Rec 83(16):416-417

19 Oct 1968 41.8 V641

Cats, Infectious diseases, Peritonitis, Research, Virus diseases (animals).

INACTIVATED CULTURE VACCINE AGAINST MYCOPLASMA GALLISEPTICUM INFECTION IN CHICKENS.

J Warren L B Senterfit F Sieiro Amer J Vet Res 29(8):1659-1664

Aug 1968 41.8 AM3A

Air sacs, Chickens, Culture media, Livestock discases, Mycoplasma gallisepticum, Vaccines.

COMPLEMENT-FIXATION TEST FOR LOUP-ING ILL IN SHEEP.

H E Williams

Amer J Vet Res 29(8):1619-1624

Aug 1968 41.8 AM3A

Antibodies, Complement fixation, Livestock diseases, Louping ill, Sheep.

21454-68

ELECTRON MICROSCOPIC STUDIES ON VESICULAR EXANTHEMA OF SWINE VIRUS: INTRACYTOPLASMIC VIRAL CRYSTAL FOR-MATION IN CULTURED PIG KIDNEY CELLS.

Y C Zee A J Hackett S H Madin Amer J Vet Res 29(5):1025-1032 REF

May 1968 41.8 AM3A

Culture media, Cytoplasm, Electron microscopes, Kidneys, Research, Swine, Vesicular exanthema virus (swine), Virus diseases (animals).

21455-68

SPREAD OF SCRAPIE BY CONTACT IN MICE. 1 Zlotnik

J Comp Pathol 78(1):19-22

Jan 1968 41.8 J82

Animal diseases, Infectious diseases, Mice, Scrapie.

ARTHROPODS

21456-68

THE FACE FLY, MUSCA AUTUMNALIS... A NEW LIVESTOCK FLY IS NOW MOVING TOWARD CALIFORNIA.

J R Anderson J H Poorbaugh

Calif Agr 22(3):4-6

Mar 1968 100 C12CAG

Biological control (insects), Chemical control (insects), Ecology, Insect pests, Livestock, Management, Musca autumnalis, Research.

STUDIES ON THE APPLICATION TO CATTLE OF THE LOW-TOXICITY 32P-LABELED PHOSPHONIC ACID ESTER BUTONATE. (GE)

W Dedek Hh Schwarz Arch Exp Veterinarmed 21(4):1023-1030 REF

Sep 1967 41.8 EX7

Butonate, Cattle, Isotopes, Milk, Phosphoric acid esters, Phosphorus, Research. English and Russian summaries

21458-68

BEEF CATTLE DIPPING PROGRAM IN SOUTHEASTERN, IDAHO. (ABSTRACT).

E P Duren

J Anim Sci 27(4):1105

Jul 1968 49 J82

Biochemistry, Cattle, Chemical control (insects), Dipping, Economics, Insect pests, Insecticides, Methodology. Abstract presented at meeting of A.S.A.S., July 7-9, 1968, moscow, Idaho.

HORN FLY AND GRUB CONTROL ON BEEF CATTLE...TESTING SEVERAL NEW INSECTI-CIDES.

W H Johnson E C Loomis

Calif Agr 21(10):12-14

Oct 1967 100 C12CAG

Beef cattle, Chemical control (insects), Grubs, Haematobia irritans, Insect pests, Insecticides.

21460-68

EFFICACY OF HOMOLOGOUS ANTIGENS AND COUMAPHOS. COMPARATIVE EFFECTS AGAINST THE CATTLE GRUBS HYPODERMA SPP., AND A DISCUSSION OF COUMAPHOS TOXICITY.

M A Khan

Vet Rec 83(4):345-349 REF

05 Oct 1968 41.8 V641

Antigens, Cattle, Coumaphos, Hypoderma lineatum, Insect control, Insecticides.

FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. FAMPHUR.

J K Kirk

Fed Regist 33(213):15996

31 Oct 1968 L1.451

Agricultural products, Animals, Biochemistry, Cattle, Chemical control (insects), Famphur, Feed, Food additives, Water.

21462-68

TICK **PARALYSIS** IN **CALIFORNIA** LIVESTOCK.

E C Loomis R B Bushnell

Amer J Vet Res 29(5):1089-1093 MAP REF

May 1968 41.8 AM3A

Dermacentor occidentalis, Insect vectors. Livestock, Livestock diseases, Tick paralysis.

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21463-68

DOMESTIC QUARANTINE NOTICES. GYPSY MOTII AND BROWN-TAIL MOTH. I. QUARAN-TINE AND REGULATIONS. II. REGULATED AREAS. III. EXEMPTIONS.

D R Shepherd R J Anderson

Fed Regist 33(229,PT.1 AND 2):17341-17346

23 Nov 1968 L1.451

Animal quarantine, Insect pests, Nygmia phaeorrhoea, Porthetria dispar.

PARASITES

21464-68

CELLULAR RESPONSE OF CALVES TO FIRST-GENERATION SCHIZONTS OF EIMERIA BOVIS AFTER TREATMENT OF CALVES WITH SULFAMETHAZINE AND LIN-COMYCIN HYDROCHLORIDE.

A Arakawa A C Todd

Amer J Vet Res 29(8):1549-1559 REF

Aug 1968 41.8 AM3A

Cattle, Cells, Coccidiosis, Eimeria bovis, Lincomycin, Sulfamethazine.

EFFECT OF COCCIDIAL INFECTION UPON PASSAGE RATES OF DIGESTIVE TRACT CONTENTS OF CHICKS.

M V Aylott O H Vestal J F Stephens D E Turk Poultry Sci 47(3):900-904

May 1968 47.8 AM33P

Chickens, Coccidiosis, Digestion, Gastrointestinal system, Livestock diseases, Parasitism.

ANTHELMINTIC ACTIVITY OF TWO OR-GANIC PHOSPHORUS COMPOUNDS, COU-MAPHOS AND NAPHTHALOPHOS, AGAINST GASTROINTESTINAL NEMATODES OF CAT-

D D Cox M T Mulee A D Allen

Amer J Vet Res 28(122):79-88 REF

Jan 1967 41.8 AM3A

Anthelmintics, Cattle, Cooperia, Coumaphos, Gastrointestinal diseases, Haemonchus, Naphthalophos, Nematodiasis, Ostertagia, Phosphorus compounds.

PATHOPHYSIOLOGY OF FASCIOLIASIS IN THE RABBIT. STUDIES ON ALBUMIN TUR-NOVER.

J D Dargie P H Holmes J M McLean W Mulligan

J Comp Pathol 78(1):101-105 REF

Jan 1968 41.8 J82

Albumins, Fascioliasis, Parasitism, Physiology, Proteins, Rabbits, Research.

21468-68

THE PATHOLOGY OF EXPERIMENTAL FASCIOLIASIS IN CALVES.

C Dow J G Ross J R Todd

J Comp Pathol 77(4):377-385 REF

Oct 1967 41.8 J82

Animal diseases, Cattle, Fascioliasis, Liver, Parasitism, Research.

STIMULATION OF HATCHING OF THE POTATO-ROOT EELWORM HETERODERA ROSTOCHIENSIS BY ION EXCHANGE RESINS.

C Ellenby L Smith

Nature 215(5101):666-

05 Aug 1967 472 N21

Hatching, Heterodcra rostochiensis, Ion exchange resins, Research, Stimulants.

THE ACTION OF THE ANTHELMINTIC TETRAMISOLE ON NEMATODIRUS BATTUS INFECTION IN LAMBS.

T E Gibson G Everett J W Parfitt

Res Vet Sci 9(5):486-487

Sep 1968 41.8 R312

Anthelmintics, Chemical control (nematodes), Lambs, Nematodirus battus, Research, Tetramis-

STUDIES ON RE-INFESTATION OF THE CAT WITH AELUROSTRONGYLUS ABSTRUSUS.

J M Hamilton

J Comp Pathol 78(1):69-72 REF

Jan 1968 41.8 J82

Aelurostrongylus abstrusus, Cats, Immunity, Parasitism, Research.

HOST - PARASITE RELATIONSHIP--I. STU-DIES ON THE PRODUCTIVITY OF SHEEP AS AFFECTED BY HAEMONCHOSIS.

M Z Hussain M Akram

Pakistan J Sci 19(5-6):247-251 REF

Nov 1967 475 P172

Animal nutrition, Economics, Haemonchus contortus, Meat, Sheep.

DR. MAYFIELD HOG WORMER. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Ley

Fed Regist 33(237):18204-18205

06 Dec 1968 L1.451

Drug therapy, Nematodes, Preventive medicine, Research, Swine, Veterinary medicine.

DIROFILARIA IMMITIS IN A NATIVE CAT.

M F Manuel R S Penevra

Philippine J Vet Med 5(1/2,JUN-DEC):122-124 1966 41.8 P53

Cats, Dirofilaria immitis, Insect identification, Research, Viscera.

FOOD-CHAIN TOXICITY OF SYSTEMIC ACARICIDES TO PREDACEOUS MITES.

R J McClanahan

Nature 215(5104):1001

26 Aug 1967 472 N21

Chemical control (pests), Cucumbers, Ecology, Phytoseiulus persimilis, Plant pest control, Predaceous insects, Roots, Tetranychus urticae, Toxicology, Typhlodromus fallacis.

EFFICACY OF NAPHTHALOPHOS AND COU-MAPHOS AGAINST NEMATODES OF GOATS. L R McDougald R G White M F Hansen

Amer J Vet Res 29(5):1077-1079

May 1968 41.8 AM3A

Animal diseases, Coumaphos. Goats. Naphthalophos, Nematodes, Parasitism.

COCCIDIOSTATIC ACTIVITY OF METICLOR-PINDOL EFFECTIVENESS AGAINST SINGLE INFECTIONS OF FIVE SPECIES OF EIMERIA IN THE DOMESTIC FOWL.

C C Norton L P Joyner

Vet Rec 83(13):317-323 REF

28 Sep 1968 41.8 V641

Biochemistry, Chickens, Coccidiosis, Drug therapy, Eimeria acervulina, Eimeria brunetti, Eimeria maxima, Eimeria necatrix, Eimeria tenella, Meticlorpindol.

HEMATOZOA OF THE MALLARD DUCK, ANAS PLATYRHYNCHOS L., IN SOUTH DAKOTA.

G M Polcyn A D Johnson Wildlife Dis Ass Bull 4(1):12

Jan 1968 41.9 W64B

Birds, Blood analysis, Blood parasites, Research.

SOME COMPARATIVE OBSERVATIONS ON UNTHRIFTINESS IN GRAZING LAMBS.

D D Pout P R Harbutt

Vet Rec 83(15):373-382 REF

12 Oct 1968 41 8 V641

Agricultural economics, Lambs, Livestock diseases, Parasitism, Research, Therapeutics.

21480-68

AN EVALUATION OF COPPER SULFATE AS ANTHELMINTICS IN CATTLE.

M G Scroggs H C Todd

Southwest Vet 21(1,FALL):15-18

1967 41.8 SO82

Animal diseases, Anthelmintics, Cattle, Chemicals, Copper sulfate, Parasitism, Research.

21481-68

AN EVALUATION OF SOME NEWER ANTHEL-MINTICS. (ABSTRACT).

M. Shelton

J Anim Sci 27(4):1136

Jul 1968 49 J82

Anthelmintics, Biochemistry, Dosage, therapy, Livestock, Parasitism, Research, Sanitation. Abstract presented at 60th annual meeting of the A.S.A.S.

OBSERVATIONS ON THE OCCURENCE OF THELAZIA OR EYEWORM INFECTION OF CATTLE IN NORTHERN SOUTH WALES.

M G Smeal

Australian Vet J 44(11):516-521 REF

Nov 1968 41.8 AU72

Eyeworms, Keratoconjunctivitis, Livestock diseases. Thelaziidae.

21483-68

ORAL THIABENDAZOLE. EFFECT ON IMMA-TURE AND ADULT HYOSTRONGYLUS RUBIDUS IN EXPERIMENTALLY-INFECTED PIGS.

L F Taffs

Vet Rec 83(5):119-121 REF

03 Aug 1968 41.8 V641

Anthelmintics, Feed, Hyostrongylus rubidus, Livestock diseases, Nematodes, Parasitism, Swine, Thiazolyl)-benzimidizole, 2-(4-

ACTIVITY THE ANTHELMINTIC OF TETRAMISOLE IN THE DOG.

D Thienpont O Vanparijs J Spruyt R Marsboom Vet Rec 83(15):369-372

12 Oct 1968 41.8 V641

Animal diseases, Anthelmintics, Ascariasis, Dogs, Parasitism, Tetramisole, Toxascaris leonina, Toxocara canis. Uncinariasis.

COMMODITY PROTECTION

21485-68

PREVENTION OF INSECT INFESTATION IN STORED FOOD PACKAGES AND AGRICUL-TURAL COMMODITIES. FINAL REPORT, JUNE 1, 1965 MAY 31, 1967. SB951.0G5. R N Clark S Y Plunkett W F Gilmore

42 P. REF

02 Jun 1967

Agricultural products, Biochemistry, Chemical control (insects), Economics, Food, Insect pests, Insect repellents, Research, Storage, Tribolium.

MICROBIAL CONTAMINATION

21486-68

A MODIFIED BRUCELLA RING TEST OF CREAM.

D E Pietz R K Anderson D F Werring A J Kenyon R Jenness

Amer J Vet Res 28(122):39-44

Jan 1967 41.8 AM3A

Brucellosis, Hydrogen-ion concentration, Milk analysis.

ENVIRONMENTAL CONTAMINATION

21487-68

FINE-STRUCTURAL CHANGES IN RELATION TO ION AND WATER TRANSPORT IN THE RECTAL PAPILLAE OF THE BLOWFLY, CAL-LIPHORA.

M J Berridge B L Gupta J Cell Sci 2(1):89-112 REF Mar 1967 QH301.J6

Anatomy, Biology, Calliphora vicina, Calliphoridae, Ionization, Ovipositors, Research, Water.

21488-68

DDT CONTAMINATION OF FEED RESIDUES IN MILK. AND

R C Laben

J Anim Sci 27(6):1643-1650 REF

Nov 1968 49 J82

DDT, Environment, Feed, Milk, Pesticide residues, Research.

21489-68

CONTROLLING WATER POLLUTION. F Stein

Amer Dairy Rev 30(11):18-19,77-78

Nov 1968 44.8 AM38

Agricultural outlook, Dairy industry, Equipment, Research, Water pollution.

RESIDUES

21490-68

THE EFFECT OF THE CHEMICAL CONTROL OF INSECTS ON WILDLIFE CONSERVATION: EVALUATION OF THE PRESENT IN THE LIGHT OF PAST EXPERIENCE.

A W A Brown

Entomol Soc Ontario Proc 91:40-46 REF 1960 420 ON8

Chemical control (insects), Pesticide residues, Research, Wildlife conservation.

MONTMORILLONITE-S-TRIAZINE INTERAC-TIONS.

M Cruz J L White J D Russell Israel J Chem 6(3):315-323 REF May 1968 385 IS7

Chemical reactions, Herbicide residues, Herbicides, Hydrolysis, Infrared spectra, Montmorillonite, Soil adsorption, Triazine, Water.

21492-68

THE BEHAVIOR OF 32P LABELED INSEC-ORGANOPHOSPHORUS COM-POUNDS FOLLOWING INTRACISTERNAL AP-POUNDS FOLLOWING INTRACISTERNAL APPLICATION TO CATTLE, A CONTRIBUTION TO THE RESORPTION OF BIOLOGICALLY ACTIVE SUBSTANCES. 2. FROM THE UDDER OF CATTLE: TRICHLORFON, BUTONATE, DDVP, AND DIMETHOATE. (GE)

W Dedek H Schwarz

Arch Exp Veterinarmed 21(6):1505-1510 REF Dec 1967 41.8 EX7

Absorption, Butonate, Cattle, Dichlorvos, Dimethoate, Insecticide residues, Insecticides, Organic compounds, Phosphorus isotopes, Trichlor-fon, Udders.

21493-68

NOTICE OF FILING OF PETITION REGARD-ING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 33(234):17927-17928 03 Dec 1968 L1.451

Agricultural products, Biochemistry, Chemicals, Meat, Milk, Pesticides, Rotenonc.

2-AMINOBUTANE. NOTICE OF ESTABLISH-MENT OF TEMPORARY TOLERANCE.

R E Duggan

Fed Regist 33(234):17927

03 Dec 1968 L1.451

Aminobutane, 2-, Biochemistry, Fungicides, Harvesting, Peaches.

NOTICE OF FILING OF PETITION REGARD-ING PESTICIDE CHEMICAL.

R E Duggan

Fed Regist 33(237):18204

06 Dec 1968 L1.451

Biochemistry, Insecticide residues, Methoxychlor, Milk, Milk analysis.

21496-68

REMOVAL OF DDT, MALATHION, AND CARBARYL FROM GREEN BEANS BY COMMER-AND HOME PREPARATIVE CIAL PROCEDURES.

E R Elkins F C Lamb R P Farrow R W Cook M Kawai J R Kimball

J Agr Food Chem 16(6):962-966

Nov 1968 381 J8223

Beans, Carbaryl, DDT, Food processing, Malathion, Pesticide residues.

21497-68

RESIDUES OF 2-METHYL-2-(METHYLTHIO)PROPIONALDEHYDE (METHYLCARBAMOYL)-OXIME(TEMIK)IN CITRUS FOLLOWING SOIL APPLICATIONS.

R Hendrickson W R Meagher

J Agr Food Chem 16(6):903-905

Nov 1968 381 J8223

Biochemistry, Citrus, Pesticide residues, Soils,

PARATHION OR ITS METHYL HOMOLOG. PROPOSED ESTABLISHMENT OF PESTICIDE TOLERANCE.

J K Kirk

Fed Regist 33(225):17146

19 Nov 1968 L1.451

Agricultural products, Biochemistry, Insecticide residues, Methyl parathion, Parathion, Seedlings, Sunflowers.

21499-68

NOTICE OF AMENDED FILING OF PETITION REGARDING PESTICIDES.

J K Kirk

Fed Regist 33(189):14550

27 Sep 1968 L1.451

Dimethoate, Insecticides, Lemons, Oranges, Oxygen, Pesticide residues, Plant protection.

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODI-TIES.

J K Kirk

Fed Regist 33(213):15996

31 Oct 1968 L1.451

Biochemistry, Citrus, Fruit, Herbicide residues, Pesticides, Trifluralin.

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODI-TIES. ETHION.

J K Kirk

Fed Regist 33(191):14640

01 Oct 1968 L1.451

Cattle, Chemicals, Ethion, Insecticides, Meat, Milk, Pesticide residues.

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. 0,0-DIMETHYL S-(4-0X0-1,2,3-BENZOTRIAZIN-3(4H)-YLMETHYL) PHOSPHORODITHIOATE; CORRECTION.

J K Kirk

Fed Regist 33(217):16271

06 Nov 1968 L1.451

Agricultural products, Azinphosmethyl, Biochemistry, Chemicals, Immunity, Insecticide residues, Insecticides, Pesticides.

FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. AMPROIUM, ETHOPABATE.

I K Kirk

Fed Regist 33(166):12041

24 Aug 1968 L1.451

Amprolium, Drug residues, Ethopabate, Feed additives, Food additives, Humans, Livestock, Toxicology, Water.

ARSENIC. PROPOSED TOLERANCES FOR RESIDUES IN EDIBLE TISSUES AND RESIDUES IN EDIBLE BYPRODUCTS OF SWINE. EDIBLE

Fed Regist 33(191):14647

01 Oct 1968 L1.451

Arsenic, Eggs, Meat, Poultry, Residues, Swine, Tis-

21505-68

REMOVAL OF DDT, PARATHION, AND CARBARYL FROM SPINACH BY COMMERCIAL AND HOME PREPARATIVE METHODS.

F C Lamb R P Farrow E R Elkins J R Kimball R W Cook

J Agr Food Chem 16(6):967-973 REF

Nov 1968 381 J8223

Carbaryl, DDT, Food processing, Parathion, Pesticide residues. Spinach.

RESIDUAL PENICILLIN IN THE TISSUES OF PIGS.

G Loftsgaard E J Briskey N Nes C Olson Amer J Vet Res 29(8):1613-1618 REF

Aug 1968 41.8 AM3A

Antibiotics, Penicillin, Residues, Swine, Tissues, Urine.

21507-68

PESTICIDES AND PUBLIC HEALTH PROBLEMS.

L I Medved Y S Kagan Y I Spynu USSR Sci Abs (65):107

19 Nov 1968 241.64 UN333 Chemicals, Pesticide residues, Pesticides, Public health.

21508-68

TRENDS THE IN DEVELOPMENT PRODUCTION AND USE OF PESTICIDES.

N N Mel'Nikov

USSR Sci Abs (65):108 19 Nov 1968 241.64 UN333

Chemistry, Pesticide residues. Pesticides

Processing.

21509-68 ORGANOCHLORINE PESTICIDES IN AN-TARCTICA.

J O G Tatton J H A Ruzicka

Nature 215(5099):346-348 MAP REF

22 Jul 1967 472 N21 Chlorine, Environment, Organic compounds, Pesticide residues, Pesticides, Surveys, Tables (data), Wildlife.

21510-68

PROTECTING HONEY BEES FROM PESTI-CIDES.

USDA Leafl 544:6P.

Jun 1968 1 AG840L

Apis mellifera, Pesticide residues, Pesticides, Poisoning.

21511-68

BASIC TRENDS IN THE DEVELOPMENT OF INSTRUMENTAL PROCEDURES FOR ANALYZING RESIDUAL QUANTITIES OF PESTICIDES.

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21512-68

A F Vasil'Yev G A Pivovarov V V Voronovka G S Supin USSR Sci Abs (65):110 19 Nov 1968 241.64 UN333 Pesticide residues, Pesticides.

TOXICOLOGY

21512-68

SELECTION OF APHID PREY BY ADALIA BIPUNCTATA L. AND COCCINELLA 7-PUNC-TATA L.

R L Blackman

Ann Appl Biol 59(3):331-338 REF

Jun 1967 442.8 AN72

Adalia bipunctata, Aphididac, Coccinella 7-punctata, Larvae, Ovipositors, Poisonous plants.

THE SOIL MACROFAUNA AND GANOCHLORINE INSECTICIDE RESIDUES AT TWELVE AGRICULTURAL SITES NEAR HUNTINGDON.

B N K Davis

Ann Appl Biol 61(1):29-45 REF

Fcb 1968 442.8 AN72

Birds, Chlorine, Insects, Invertebrates, Organic compounds, Soils, Toxicology.

21514-68

TERATOGENIC RESPONSE BY HAMSTERS, RATS AND MICE TO AFLATOXIN BI.

J A DiPaolo J Elis H Erwin Nature 215(5101):638-639 REF 05 Aug 1967 472 N21

Aflatoxin, Animal abnormalities, Hamsters, Mice. Mortality, Pregnancy, Rats, Toxicology.

CARCINOGENICITY OF THE HERBICIDE MALEIC HYDRAZIDE.

S S Epstein J Andrea H Jaffe S Joshi H Falk N

Nature 215(5108):1388

23 Scp 1967 472 N21

Carcinogens, Chemurgy, Malcic hydrazide, Mice, Mortality, Research, Toxicology.

TREATMENT FOR POISONING BY SLUG BAIT.

C Fennell

Vet Rec 83(5):134

03 Aug 1968 41.8 V641

Baits, Dogs, Drugs, Slugs, Therapeutics, Toxicolo-

21517-68

PRODUCTION AND VIABILITY OF EGGS FROM HENS TREATED WITH PARAQUAT.

K Fletcher

Nature 215(5108):1407-1408

23 Sep 1967 472 N21

Chickens, Eggs, Herbieide residues, Paraquat, Toxicology

EFFECT OF HALOGETON GLOMERATUS ON PH VALUES IN RUMEN OF SHEEP.

L F James J C Street J E Butcher J L Shupe Amer J Vet Res 29(4):915-918 REF

Apr 1968 41.8 AM3A

Halogoton glomeratus, Hydrogon-ion concentration, Physiology, Rumen, Sheep, Toxicology.

21519-68

EFFECT OF CARBON MONOXIDE ON METABOLISM OF INSECTICIDES IN VIVO.

Nature 215(5108):1408-1409

23 Scp 1967 472 N21

Aldrin, Carbon monoxide, Chromatography, Dieldrin, Insect metabolism, Larvae, Microsomes, Musca domestica.

21520-68

CRYSTALLINE AFLATOXIN MI FROM URINE AND MILK.

M S Masri R E Lundin J R Page V C Garcia Nature 215(5102):753-755

12 Aug 1967 472 N21

Aflatoxin, Aspergillus flavus, Cattle, Chemurgy, Milk, Rice, Toxicology, Urine.

RESPONSE OF SHEEP GRAZING IN AREAS SPRAYED WITH DEMETON.

R T McCarty M Haufler C A Jr. McBeth

Amer J Vet Res 29(4):911-914

Apr 1968 41.8 AM3A

Animal physiology, Demeton, Insecticides, Sheep, Toxicology.

21522-68

NITRATE TOXICITY, GUIDELINES FOR LIVESTOCK MEN.

L S Murphy

Crops Soils 20(8):11-13

Jun 1968 6 W55

Feed, Forage plants, Livestock, Nitrates, Toxicology.

THE TOXICITY OF SOME SOIL INSECTICIDES TO CARABID PREDATORS OF THE CABBAGE ROOT FLY (ERIOISCHIA BRASSICAE (BOUCHE)).

Ann Appl Biol 59(3):349-354

Jun 1967 442.8 AN72

Carabidae, Diazinon, Dieldrin, Erioischia brassicae, Insect control, Organophosphorus compounds, Poisoning, Soil moisture, Thionazin.

21524-68

TOXICOLOGIC EFFECTS OF AMMONIUM CARBAMATE AND RELATED COMPOUNDS.

R P Wilson L E Davis M E Muhrer R A Bloomfield

Amer J Vet Res 29(4):897-906 REF

Apr 1968 41.8 AM3A

Ammonium, Ammonium compounds, Carbamates, Toxicology.

PROCESS FOR PURIFICATION OF FUNGAL ALPHA AMYLASE. PATENT 3,416,997.

R R Barton

Us Patent Office Offic Gaz 857(3):899

17 Dec 1968 156.65 OF2

Alpha-amylasc, Biochemistry, Fungi, Patents, Processing, Purification.

EFFECTS OF COMBINATIONS OF PESTI-CIDES APPLIED TO COTTON.

A Y Chambers J R Overton H Andrews Tenn Farm Home Sci 66:13-15

Apr 1968 100 T250F

Biochemistry, Cotton, Pesticides, Plant physiology,

Plant protection.

TRANSLOCATION OF TRITIUM-LABELLED GIBBERELLIC ACID IN PEA STEM SEGMENTS AND POTATO TUBER CYLINDERS.

M A Clor

Nature 214(5094):1263-1264

17 Jun 1967 472 N21

Culture media, Extracts, Gibberellie acid, Peas, Plant hormones, Plant translocation, Potatoes, Temperature.

21528-68

THE USE OF HEAT TO CONTROL THE ROTTING OF COX'S ORANGE PIPPIN APPLES BY GLOEOSPORIUM SPP.

K L Edney R T Burchill

Ann Appl Biol 59(3):389-400 REF

Jun 1967 442.8 AN72

Apples, Gloeosporium, Hcat, Hydroponics, Immunization, Penicillium, Rot (apples), Spores.

21529-68

DISEASE CONTROL IN LAWN TURF, 1968.

C J Gould A D Davison R L Goss

Wash State Univ Ext Serv E M 2049:2P.

May 1968 275.29 W270MI

Biochemistry, Chemical control (plant diseases), Corticium, Diagnosis, Fungicides, Fusarium, Lawns, Ophiobolus, Turf.

21530.68

DISEASE CONTROL IN PUTTING TURF; 1968.

C J Gould A D Davison R L Goss Wash State Univ Ext Serv E M 2050:2P.

May 1968 275.29 W 270M1

Biochemistry, Chemical control (plant diseases), Corticium, Fungicides, Fusarium, Ophiobolus. Plant diseases, Turf.

21531-68

METHOD OF CONTROLLING PLANT GROWTH WITH PENTAERYTHRITOL AR-PLANT SENITE CHLOROBENZOATES. PATENT 3,411,895.

M A Gradsten

Us Patent Office Offic Gaz 856(3):868

19 Nov 1968 156.65 OF2

Arsenites, Biochemistry, Chlorobenzilate, Herbicides, Methodology, Patents, Pentaerythritol, Plant physiology.

21532-68

ANOMALOUS GROWTH RESPONSE OF BEAN PLANTS IN IRON-DEFICIENT MEDIA TO CYANIDE.

G F Israelstam

Nature 218(5139):390-391

27 Apr 1968 472 N21

Culture media, Cyanides, Enzymes, Ethylenediaminetetraacetic acid, Iron, Kidney beans, Plant nutritional deficiencies, Plant physiology.

21533-68

THE EFFECTS OF PLANT GROWTH REGULA-TORS ON GROWTH AND FLOWERING IN CHRYSANTHEMUM. (JA)

A Kagawa

Gifu Univ Fac Agr Res Bull (24):37-50 REF 1967 107.6 G364

Biochemistry, Chrysanthemum, Gibbcrellins, Naphthaleneacetic acid, Phosfon, Plant physiology, Gibbcrellins, Plant regulators, Reproduction, Research. English summary.

21534-68

THE INCIDENCE OF PLANT OESTROGENS IN FINISH PASTURE AND FODDER PLANTS WITH SPECIAL REFERENCE TO THEIR POSSIBLE EFFECTS IN CASES OF STERILITY IN RUMINANTS, SF98,0E80K3.

K Kallela 132P. FINLAND, TAMPEREEN KIRJAPAINO-OSAKEYHTIO

1964 Fccd, Pastures, Plant physiology, Research, Rumi-

nants, Sterility, Surveys.

ISOLATION AND STRUCTURE OF GIBBEREL-LIN AI8 FROM IMMATURE SEEDS OF LU-PINUS LUTEUS.

K Koshimizu H Fukui T Kusaki Y Ogawa T

Mitsui Agr Biol Chem 32(9):1135-1140

Sep 1968 385 AG8B

Chemical reactions, Chemistry, Gibberellins, Lupinc, Seeds.

LARGE AMOUNTS OF RIBOSOMAL RNA IN COLCHICINE-INDUCED TETRAPLOIDES OF SOLANUM TUBEROSUM L.

PH Li W R Anderson

Nature 214(5083):86-87 REF

01 Apr 1967 472 N21

Biochemistry, Colchicine, Deoxyribonucleic acid, Leaves, Metabolites, Plant metabolism, Plant physiology, Polyploidy, Potatoes, Ribonucleic acid.

21562-68

21537-68

THE SECRETION OF THE SYSTEMIC INSEC-TICIDES DIMETIIOATE AND PHORATE INTO NECTAR.

K A Lord M A May J H Stevenson Ann Appl Biol 61(1):19-27

Feb 1968 442.8 AN72

Apis mellifera, Beans, Biological assay, Chromatography, Dimethoate, Drosophila melanogaster, Insecticide application, Nectar, Phorate, Secretion.

SEROLOGICAL DIFFERENCES BETWEEN AP-PARENTLY TYPICAL PEPPER AND TOMATO ISOLATES OF XANTHOMONAS VESICA-

L M O'Brien D J Morton W J Manning R W Scheetz

Nature 215(5100):532-533

29 Jul 1967 472 N21

Antigens, Bacteria, Bush redpeppers (vegetable), Culture media, Injections, Rabbits, Reports, Research, Serological tests, Tomatoes, Xanthomonas vesicatoria.

21539-68

STUDIES ON EMERGENCE OF SEEDLING IN DIRECT SOWING CULTURE OF PADDY RICE ON UPLAND FIELD. III. SEEDLING EMER-GENCE OF RICE SEED AS AFFECTED BY GIB-BERELLIN AND 3-INDOLEACETIC ACID AP-PLICATION.

K Ota M Nogaki

Gifu Univ Fac Agr Res Bull (24):1-10 REF 1967 107.6 G364

Biochemistry, Gibberellins, Indoleacetic acid, Plant physiology, Research, Rice, Seed planting, Seedlings, Temperature. Japanese summary.

21540-68

PROCESS OF KILLING PLANTS. PATENT 3,416,912.

E K Regel M F Botts

Us Patent Office Offic Gaz 857(3):883-884

17 Dec 1968 156.65 OF2

Biochemistry, Chemicals, Herbicides, Weed con-

21541-68

HERBICIDAL COMPOSITIONS. (PATENT 3,418,102).

S B Richter

Us Patent Office Offic Gaz 857(4):1205

24 Dec 1968 156.65 OF2

Biochemistry, Chemical control (weeds), Chemicals, Herbicides, Patents.

EFFECT OF WATER ACTIVITY ON THE HEAT RESISTANCE OF SALMONELLA IN DRY

H Riemann

Appl Microbiol 16(10):1621-1622

Oct 1968 448.3 AP5

Feed, Food, Plant hardiness, Salmonella, Sugar, Temperature, Water.

21543-68

SPRAY-ON PROTEIN BOOSTERS.

S K Ries

Crops Soils 20(8):15-17

Jun 1968 6 W55

Biochemistry, Herbicides, Plant physiology, Proteins, Simazine.

THE PRESENCE OF OMPHALIA SP. BLISS IN A MAURITANIAN PALM GROVE. (FR)

G Sachs

Fruits 22(10):497-501

Nov 1967 80 F9492

Biochemistry, Chemical control (plant diseases), Fentin acetate, Folpet, Fungicides, Fungus diseases Palmae, Injections, Paradimethylaminobenzenediazo sodium sulfonate, Soils, Spraying.

21545-68

EFFECT OF CARBON DIOXIDE, TEMPERA-TURE, AND RELATIVE HUMIDITY OF PRODUCTION OF AFLATOXIN IN PEANUTS.

T H Sanders N D Davis V L Diener J Amer Chem 45(10):683-685 REF

Oct 1968 307.8 J82

Aflatoxin, Aspergillus flavus, Carbon dioxide, Humidity, Peanuts, Physiology, Temperature.

CHEMICAL INDUCTION OF MITOTIC CROSSING-OVER IN ASPERGILLUS. (AB-STRACT).

B Shanfield E Kafer

Can J Genet Cytol 10(3):768

Sep 1968 443.8 C16

Aspergillus, Biochemistry, Chemistry, Fungi, Mitosis, Plant physiology. Genetic Society of Canada annual meeting May 15-17, 1968

METHOD OF DETECTING OR CLASSIFYING MICROORGANISMS USING AGAR REAGENT SHEETS. PATENT 3,416,998.

M M Streitfield

Us Patent Office Offic Gaz 857(3):899

17 Dec 1968 156.65 OF2

Agar, Biochemistry, Classification, Microbiology, Patents.

CHEMISTRY

21548-68

MANUFACTURE OF HERBICIDAL MATERIALS. PATENT 3,413,111.

J T Braunholtz C Shepard

Us Patent Office Offic Gaz 856(4):1189

26 Nov 1968 156.65 OF2

Chemistry, Herbicides, Methodology, Patents.

21549-68

VIRUCIDAL PROPERTIES OF DIMETHYL SULFOXIDE

J C Chan H H Gadebusch

Appl Microbiol 16(10):1625-1626 Oct 1968 448.3 AP5

Methyl, Microbiology, Properties, Sulfoxides, Viruses.

21550-68

METHOD OF CONTROLLING PATENT 3,399,049. WEEDS.

W F Evans T F Wood

Us Patent Office Offic Gaz 853(4):1054

27 Aug 1968 156.65 OF2

Carbon, Chemical control (weeds), Chemistry, Herbicides, Hydrogen, Methyl, Patents.

DETERMINATION OF BIDRIN, AZODRIN, AND THEIR METABOLITES WITH THE THER-MIONIC DETECTOR.

B Y Giang H F Beckman

J Agr Food Chem 16(6):899-902 REF

Nov 1968 381 J8223

Azodrin, Bidrin, Chemistry, Lcttuce, Mctabolites, Thermionic tubes.

THOSE DURABLE OILS. II. INSECTICIDAL OILS.

J W Hammond Farm Chem 130(9):52-58, 99,104

Sep 1967 57.8 AM3

Essential oils, Insect control, Insecticides, Larvicides, Oils, Petroleum, Rcsearch, Spraying.

SYNTHETIC STUDIES ON CARBOHYDRATE ANTIBIOTICS. PART IX. SYNTHESIS OF KANAMYCIN A AND RELATED COMPOUNDS. A Hasegawa N Kurihara D Nishimura M

Agr Biol Chem 32(9):1130-1134

Sep 1968 385 AG8B

Antibiotics, Carbohydrates, Chemical reactions, Chemicals, Chemistry, Kanamycin, Research.

CONTROLLING PHYTOPATHOGENIC FUNGI ON PLANTS WITH 3-PYRIDYL METHANE DERIVATIVES. PATENT 3,397,273.

E M Heyningen H M Taylor

Us Patent Office Offic Gaz 853(2):558

13 Aug 1968 156.65 OF2

Acids, Chemical control (plant diseases), Fungicides, Hydrogen, Patents, Phytopathology, Salts.

BENZIMIDAZOLE UREAS. PATENT 3,399,212.

J R E Hoover R J Stedman

Us Patent Office Offic Gaz 853(4):1084

27 Aug 1968 156.65 OF2

Anthelmintics. Benzimidazole, Isocyanates, Patents, Thiourea, Urea.

21556-68

2-CHLORO-6-

(TRICHLOROMETHYL)PYRIDINE COM-POUNDS. (PATENT 3,418,323.

H Johnston M S Tomita

Us Patent Office Offic Gaz 857(4):1242

24 Dec 1968 156.65 OF2

Chemicals, Chemistry, Chloro-6-(trichloromethyl)pyridine, 2-, Patents, Pesticides.

ORGANIC INSECTICIDES AND FUNGICIDES. II. SOME GUANIDINE DERIVATIVES.

L A Kiselev K D Shvetsova-Shilovskaya L N Khanina

USSR Sci Abs (65):100-102

19 Nov 1968 241.64 UN333

Chemistry, Fungicides, Guanidine, Insecticides, Organic compounds.

ORGANOTIN-SUBSTITUTED S-TRIAZINES. PATENT 3,412,090.

E Knusli D Varsanyi

Us Patent Office Offic Gaz 856(3):907

19 Nov 1968 156.65 OF2

Anthelmintics, Chemistry, Organic compounds, Patents, Triazines.

21559-68

HERBICIDAL AND DEFOLIATING COMPOSI-TION AND METHOD. PATENT 3,410,677.

S D Koch

Us Patent Office Offic Gaz 856(2):551

12 Nov 1968 156.65 OF2

Chemicals, Defoliants, Furan, Herbicides, Methodology, Patents, Pyridine, Toxicology.

21560-68

AGRICULTURAL SPRAY OILS. PATENT 3,410,787.

N F Kubicck

Us Patent Office Offic Gaz 856(2):572

Nov 1968 156.65 OF2

Agricultural products, Oils, Patents, Petroleum, Temperature.

PROPOSED PROCEDURE FOR THE ALLOCA-TION OF TRIVIAL NAMES TO THE GIB-BERELLINS.

J MacMillan N Takahashi

Nature 217(5124):170-171

13 Jan 1968 472 N21 Gibberella fujikuroi, Gibberellins, Plant physiology, Research, Scarlet runner beans.

21562-68

PESTICIDES. (PATENT 3,418,364).

V Mark

Us Patent Office Offic Gaz 857(4):1249-1250 24 Dec 1968 156.65 OF2

Chemistry, Insects, Mammals, Patents, Pesticides.

CHEMISTRY

21563-68

21563-68

MICROSPECTROPHOTOMETRY OF DEOX-YRIBONUCLEIC ACID IN SHOPE PAPILLOMA AND DERIVED CARCINOMA.

J E Moulton D Lau Amer J Vet Res 28(122):219-223 Jan 1967 41.8 AM3A

Carcinoma, Deoxyribonucleic acid, Papilloma, Research, Spectrophotometry.

21564-68

DERIVATIVE ERYTHROMYCIN AND PROCESS FOR THE THEREOF. PATENT 3,417,077. PREPARATION

H W Murphy V C Stephens J W Conine Us Patent Office Offic Gaz 857(3):914 17 Dec 1968 156.65 OF2

Chemistry, Erythromycin, Patents, Processing.

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21566-68

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15 Jun 1968 472 N21

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21570-68

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21572-68

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21573-68

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21576-68

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21577-68

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R J Anderson

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25 Oct 1968 L1.451

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21579-68

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE POLYETHYLENE.

J K Kirk

Fed Regist 33(170):12263

30 Aug 1968 L1.451

Feed, Food additives, Polyethylene, Roughage, Ruminants

21580-68

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE BUQUINOLATE.

J K Kirk

Fed Regist 33(166):12063

24 Aug 1968 L1.451

Buquinolate, Chickens, Coccidiosis, Feed addi-

21581-68

NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES AMPROLIUM, DIENESTROL DIACETATE, CHLORTETRA-CYCLINE, ZINC BACITRACIN.

J.K. Kirk

Fed Regist 33(170):12263

30 Aug 1968 L1.451

Amprolium, Chickens, Chlortetracycline, Dienestrol diacctate, Feed additives, Zinc bacitracin.

21582-68

DOMESTIC QUARANTINE WITCHWEED. REGULATED AREAS; COR-RECTION.

D R Shepherd

Fed Regist 33(170):12223

30 Aug 1968 L1.451

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and Coccinella 7-punctata L.	Viable Septoria spp. in celery seed samples.	Notice of filing of petition regarding pesticide chemicals.
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